

Indian Patent Office



IPO



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GOVERNMENT OF INDIA



Úřad průmyslového vlastnictví
Antonína Čermáka 2a
160 68 Praha 6

javratova@upv.cz





Obsah

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- Vstup do databáze
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 - The Patents (Amendment) Act 2002, 25 June 2002 | हिन्दी
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 - The Patents (Amendment) Rules 2005, dated 28-12-2004 (SO No. 1418 (E)) | हिन्दी
 - The Patents (Amendment) Rules 2006, dated 05-05-2006 (SO NO. 657 (E))
- Notifications**
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 - Notification for operationalisation of IPAB
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 - Patent Agents Examination Papers

Patents

History of Indian Patent System

1856	THE ACT VI OF 1856 ON PROTECTION OF INVENTIONS BASED ON THE BRITISH PATENT LAW OF 1852. CERTAIN EXCLUSIVE PRIVILEGES GRANTED TO INVENTORS OF NEW MANUFACTURERS FOR A PERIOD OF 14 YEARS.
1859	THE ACT MODIFIED AS ACT XV; PATENT MONOPOLIES CALLED EXCLUSIVE PRIVILEGES (MAKING, SELLING AND USING INVENTIONS IN INDIA AND AUTHORIZING OTHERS TO DO SO FOR 14 YEARS FROM DATE OF FILING SPECIFICATION).
1872	THE PATENTS & DESIGNS PROTECTION ACT.
1883	THE PROTECTION OF INVENTIONS ACT.
1888	CONSOLIDATED AS THE INVENTIONS & DESIGNS ACT.
1911	THE INDIAN PATENTS & DESIGNS ACT.
1972	THE PATENTS ACT (ACT 39 OF 1970) CAME INTO FORCE ON 20 TH APRIL 1972.
1999	ON MARCH 26, 1999 PATENTS (AMENDMENT) ACT, (1999) CAME INTO FORCE FROM 01-01-1999.
2002	THE PATENTS (AMENDMENT) ACT 2002 CAME INTO FORCE FROM 20TH MAY 2003
2005	THE PATENTS (AMENDMENT) ACT 2005 EFFECTIVE FROM 1st JANUARY 2005



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Controller General of Patents Design and Trade Marks

Historie IPO

- 1856 první právní ochrana patentů v Indii založená na britském patentovém zákoně
- 1872 ochrana průmyslových vzorů
- 1911 Indický zákon o patentech a průmyslových vzorech
- 1949 kompletní revize patentového zákona, aby odpovídal národním zájmům Indie
- Postupný vývoj právní úpravy, poslední změna v r. 2006.

Organizační struktura

1. Ministry of Commerce and Industry
2. Office of the Controller General of Patents, Designs and Trademarks
 - The Patent Office (vč. Designu) – Kalkata, Delhi, Mumbai, Chennai (samostatná územní příslušnost)
 - The Trademark Registry - Kalkata, Delhi, Mumbai, Chennai, Ahmadabad
 - The Geographical Indication Registry – Chennai
3. National Institute of Intellectual Property Management – Nagpur
4. Patent Information System - Nagpur

Předměty průmyslového vlastnictví:

- Patenty
- Patents in addition (doplněk – zlepšení nebo modifikace vynálezu)
- Průmyslové vzory (designs)
- Trade Marks

- Ochrana patentu 20 let od podání přihlášky, platí od roku 2002.
- Od r. 1998 je Indie smluvním členem PCT-Smlouvy o patentové spolupráci
- Zahraniční přihlašovatel vynálezu musí uvést pro komunikaci s úřadem indickou doručovací adresu – autorizovaný patentový zástupce
- Patentové přihlášky se zveřejní podle místa bydliště, sídla firmy nebo sídla patentového zástupce



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FAQ - India

If you cannot find your question here, please send it to us using the [contact form](#).

For more specific legal questions relating to the Indian patent system, please contact International_legal_affairs@epo.org.

Questions

General information about patents in India

- [What types of industrial property rights exist in India?](#)
- [What are patents of addition in India?](#)
- [How long is the term of protection of Indian patents?](#)
- [What inventions cannot be patented in India?](#)
- [Can computer software be patented in India?](#)
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From filing to grant

- [As a foreign applicant, do I need to appoint a professional representative in India?](#)
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- [Can I claim priority for an application filed in India?](#)
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- [Can I request that my application be published earlier than 18 months from the filing date in India?](#)
- [Can I withdraw my application before it is published in India?](#)
- [Can I submit third-party observations on an Indian patent application?](#)
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- [Is there a grace period for paying annual fees in India?](#)
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Contact

Asian Patent Information Services
Tel.: +43 1 52126 4545
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India

In 2009, 36 812 applications were filed with the Indian patent office. This area provides statistics on filing trends and grant figures in India, background information on the Indian patent system, and guidance on other aspects of patent documentation from India.

FAQ

Answers to common questions about patents and patent information in India. If you cannot find the answer you are looking for, you can write to us using our [form](#).

Grant Procedure

A flowchart overview of the most important steps in the Indian procedures from filing an application to the grant of a patent.

Facts and figures

Developments in filing figures and applications trends in India.

Numbering system

An introduction to the most important document types and explanations of the formats for document numbers.

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Answers

General information about patents in India

What types of industrial property rights exist in India?

India has patents, patents of addition, designs and trade marks. Applications for all of these can be filed with the Indian Patent Office.

- [IP India website](#)

If you require a more detailed answer, please send us your question using the [contact form](#).

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What are patents of addition in India?

Patents of addition relate to improvements in or modifications to patented inventions. A patent of addition cannot be granted before the main patent is granted. If the main patent is revoked, the patentee may request the conversion of the patent of addition into an independent patent. Patents of addition have the same term as patents for the main invention.

If you require a more detailed answer, please send us your question using the [contact form](#).

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How long is the term of protection of Indian patents?

The term of protection of an Indian patent is 20 years from the date of filing of the application, subject to the payment of annual fees. The 20-year term was introduced by the Patents (Amendment) Act 2002. It also applies to all granted patents whose term had not expired on 20 May 2003. Under the previous law the term was 14 years from the date of filing.

If you require a more detailed answer, please send us your question using the [contact form](#).

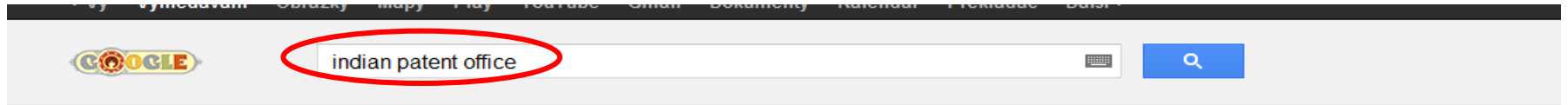
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What inventions cannot be patented in India?

Chapter II, Section 3 of the Indian Patents Act stipulates what is not considered an invention under the law and is therefore not patentable in India:

- inventions being frivolous or contrary to public order, morality, public health, the environment, etc.
- scientific discoveries
- mere discoveries of new forms of known substances
- methods of agriculture or horticulture
- diagnostic, therapeutic and surgical methods for the treatment of humans or animals
- plants and animals other than micro-organisms
- mathematical or business methods or computer programs per se or algorithms

http://www.ipindia.nic.in/



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Přibližný počet výsledků: 24 400 000 (0,60 s)

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[Addresses of Patent Offices in India and their Territorial Jurisdiction](#)

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Office. Address. Territorial Jurisdiction. The **Patent Office** Branch, Mumbai. Government of **India**. Bhoudhik Sampada Bhavan, Near Antop Hill Head Post **Office**, ...

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News

- ▶ [Public Notice for applicants filing PCT International Applications Annexure - I](#) | [Annexure - II](#) | [Annexure - III](#) (03 March, 2014)
- ▶ Government of India notifies Patents (Amendment) Rules 2014, which comes into force w.e.f. 28 February 2014. See notifications | [Hindi](#) | [English](#). Controller General of Patents, Designs & Trade Marks issues [Public Notice](#) in this regard (28 February, 2014)
- ▶ Controller General of Patents, Designs & Trade Marks publishes [DRAFT GUIDELINES FOR EXAMINATION OF PATENT APPLICATIONS IN THE FIELD OF PHARMACEUTICALS](#) | [Public Notice](#) (28 February, 2014)
- ▶ Public Notice on working of Patents (Form-27) [More...](#) (28 February, 2014)
- ▶ Shifting of TMR Office, Ahmedabad to New Complex at Ghatlodia, Ahmedabad [More...](#) (28 February, 2014)
- ▶ [CGPDTM issues Public Notice regarding release of online filing facility for more subsequent TM forms through comprehensive e-filing services of Trade Marks](#) (25 February, 2014)
- ▶ [CGPDTM issues a Public Notice with respect to auto emailing of QR Coded Examination Report and Show Cause Hearing Notices](#) (25 February, 2014)
- ▶ WIPO AWARDS for i) Inventors and ii) Innovative Enterprises under WIPO Awards Program will also be bestowed upon the "Top Individual in Patents" and "Top Indian Company", respectively, selected under the scheme of the National Intellectual Property Awards 2014 on 26th April 2014. | Last date for making the application for National IP Awards 2014 is extended to 7-03-2014. [More...](#) (25 February, 2014)
- ▶ [CGPDTM invites applications for the National Intellectual Property Awards 2014](#) | [Application Form](#) (24 February, 2014)
- ▶ Supply, Installation, Testing and Commissioning of High Speed Scanners with Pre and Post Scan Imprinting along with Customized Application Software for Automating the Digitization of IPO Documents" extended. | See [Corrigendum](#) | [Corrigendum - II](#) | [Addendum](#) (27 February, 2014)

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The Patents (Amendment) Act 2002, 25 June 2002 | हिन्दी

The Patents (Amendment) Act 2005 | हिन्दी

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- 1856 THE ACT VI OF 1856 ON PROTECTION OF INVENTIONS BASED ON THE BRITISH PATENT LAW OF 1852. CERTAIN EXCLUSIVE PRIVILEGES GRANTED TO INVENTOR FOR A PERIOD OF 14 YEARS.
- 1859 THE ACT MODIFIED AS ACT XV; PATENT MONOPOLIES CALLED EXCLUSIVE PRIVILEGES (MAKING, SELLING AND USING INVENTIONS IN INDIA AND AUTHORITY TO GRANT FROM DATE OF FILING SPECIFICATION).
- 1872 The Patents and Designs Protection Act' (Act XIII of 1872)
- 1883 THE PROTECTION OF INVENTIONS ACT.
- 1888 CONSOLIDATED AS THE INVENTIONS & DESIGNS ACT.
- 1911 THE INDIAN PATENTS & DESIGNS ACT.
- 1972 THE PATENTS ACT (ACT 39 OF 1970) CAME INTO FORCE ON 20TH APRIL 1972.
- 1999 ON MARCH 26, 1999 PATENTS (AMENDMENT) ACT, (1999) CAME INTO FORCE FROM 01-01-1995.
- 2002 THE PATENTS (AMENDMENT) ACT 2002 CAME INTO FORCE FROM 20TH MAY 2003
- 2005 THE PATENTS (AMENDMENT) ACT 2005 EFFECTIVE FROM 1st JANUARY 2005



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1858

History of Indian Patent System

THE ACT VI OF 1858 ON PROTECTION OF INVENTIONS BASED ON THE BRITISH PATENT LAW OF 1852. CERTAIN EXCLUSIVE PRIVILEGES GRANTED TO INVENTORS OF NEW MANUFACTURERS FOR A PERIOD OF 14 YEARS.

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PATENT NUMBER	Containing		AND	
DATE OF FILING(NATIONAL)	Containing		AND	
INVENTOR NAME	Containing		AND	
INVENTOR ADDRESS	Containing		AND	
JOURNAL NUMBER(U/S 43(2))	Containing		AND	
DATE OF GRANT	Containing		AND	
PUBLICATION DATE	Containing		AND	
INTER. CLASS. CODE(IPC)	Containing		AND	
PCT INT. APPL. NUMBER	Containing		AND	
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No.	Application Number	Patent Number	Title Of Invention	Date Of Filing (National)
1	98493	<u>98493</u>	Mobile radio telephone system.	16/03/1965
2	3148/DELNP/2004	<u>259027</u>	"a mobile phone for performing hearing and vision tests"	12/10/2004
3	1536/DELNP/2004	<u>257625</u>	"method of operating a mobile telephone network having a platform processing a call, event or session"	03/06/2004
4	5286/DELNP/2005	<u>253842</u>	"a mobile phone operable with a mobile phone accessory"	17/11/2005
5	1788/CHENP/2007	<u>253286</u>	A method for controlling a mobile phone	30/04/2007
6	244/DELNP/2006	<u>252199</u>	"a method of uploading a mobile phone contact list"	13/01/2006
7	1282/DELNP/2006	<u>251350</u>	"system method and computer program product for managing themes in a mobile phone"	09/03/2006
8	1090/DEL/2005	<u>246261</u>	"a system and method for realizing dual-mode mobile phone calling by using an intelligent network"	02/05/2005
9	2333/KOLNP/2005	<u>243616</u>	System and method for using a mobile telephone network with the assistance of a first entity provided for storing value data corresponding to network communication time and a communication apparatus	22/11/2005
10	144/MUM/2007	<u>242547</u>	Three lead ecg monitor using mobile phone with embedded electrodes	24/01/2007
11	IN/PCT/2001/01642/MUM	<u>242152</u>	A packet switched mobile telephone communication system	24/12/2001
12	848/CHENP/2003	<u>241530</u>	A device for wireless transmission between a microphone/earpiece and a mobile telephone	30/05/2003
13	1009/KOL/2005	<u>238094</u>	A solar charger for mobile phones	07/11/2005
14	3908/CHENP/2006	<u>237710</u>	A method and a mobile telephone with movement activated key guard	25/10/2006
15	852/CHENP/2004	<u>237705</u>	Integrated antenna for mobile telephones	23/04/2004

Details

Application Number : 1788/CHENP/2007

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PG Journal Number	Publication Date	Patent Number	Grant Date	Title Of Invention	Date Of Filing
28/2012	13/07/2012	253286	10/07/2012	A METHOD FOR CONTROLLING A MOBILE PHONE	30/04/2007

Int Patent Classific Number	Pct Int Appl Number	Pct Int Filing Date
H04Q 7/22	PCT/EP05/54478	09/09/2005
Application Number	Dof Convention Country	Priority Country
200410012091.1	28/09/2004	China

Applicant Details

Name Of Patentee	Applicant Address
INTERNATIONAL BUSINESS MACHINES CORPORATION	ARMONK , NEW YORK 10504, USA

Inventor Details

Inventor Name	Inventor Address
SUN, PEI	ROOM 403# BUILDING 30#, YANGGUANG, NALNI, QINGHE, HAIDIAN DISTRICT, BEIJING 100085, CHINA
ANGWIN, ALASTAIR,	54 NICHOL ROAD , CHANDLERS FORD, EASTLEIGH, HAMPSHIER S053 5AW, UK
SONG, SONG	143 EAST 9 BUILDING , NORTHERN JIAOTONG UNIVERSITY, BEIJING 100044, CHINA
GUO, CHANG, JIE	LONG TENG YAN 3# 17-2-602, CHANGPING DISTRICT , BEIJING 102208, CHINA
SHEN, JUN	ROOM 2-801, BUILDING 27, 5TH BLOCK , TIAN, TONG, YUAN , CHANGPING DISTRICT 102209, CHINA
ZHANG, JIAN, MING	ROOM 4-3-4 , BUILDING 4, NO 55, SHATAN, HOUIE, DONGCHENG DISTRICT , BEIJING 100085, CHINA

Abstract Text

Abstract Text
The present invention relates to a mobile phone and a method for its operation and control. The mobile phone is capable of receiving the message sent by other mobile phones through a message transmission

Complete Specification

A METHOD FOR CONTROLLING A MOBILE PHONE Field of Invention

The present invention relates to telecom messaging services, particularly to mobile phones in messaging service systems. More specifically, the present invention relates to the control of sending and receiving messages with mobile phones.

Background of Invention

Messaging Services like Short Message Service (SMS), Multimedia Message Service (MMS) have been widely deployed today. MMS is a value-adding function service for mobile phones. Compared to SMS, it makes the message transmitted between mobile phones no longer to be merely simple and short text. Rather, the message may incorporate rich multimedia information like text, picture, audio-visual, and voice. The wide application of MMS increasingly demands the provision of personalized and flexible messaging services. The needs for personalization and flexibility are not only required on the recipient side of message, but also gradually required on the sender side. The sender's involvement in the control and manipulation of the sent message on the recipient side is an embodiment of such a personalization. However, the personalization is far from being satisfying in prior art messaging services.

For example, currently the message notification mode is pre-configured at the receiver side. There are some kinds of messaging software (messaging agent) which even allow for pre-configuration of the message notification mode, e.g., special ring tone or volume, corresponding to a particular sender. However, those solutions are static or unchangeable to the sender, and thus not flexible to meet the sender's requirements. For example, suppose a sender wants to send an urgent message to a target mobile phone. At that time, the notification mode of the target mobile phone may have been pre-configured as "silent" by the messaging receiver. In order to notify the receiver with the good effect, the sender wants to override whatever original notification mode on the mobile phone with a loud ring tone mode. But current mechanisms do not support this function.

The static nature and inflexibility of the current, way of configuring the message notification mode for mobile phones is also reflected in that the receiver can only select a notification mode from the notification modes existing in his/her mobile phone. The receiver can at most expand the existent notification modes by downloading ring tones. However, the receiver's mobile phone allows for neither sender designated ring tones, nor sending particular ring tones to the receiver's mobile phone. For the message sender, there is a lack of the option for sending messages to the targeted receiver in a personalized way.

Therefore, there exists such a need that the message sender can instantly change, in an end-to-end way, the notification mode in which a target mobile phone receives his/her messages.

In the aspect of managing messages by the receiver, the existing messaging services does not provide personalized service flexible enough so that managing received message on the receiver side involves the sender's. For example, Currently, messages received on the mobile phone are saved in the message inbox. There is not a mechanism for the receiver mobile phone to automatically delete some of the messages from the inbox, which is sometimes undesirable for the sender. For example, the sender may want to limit the time duration a sent message will be saved in the inbox. The sender may want to restrict the number of times a sent message shall be read by deleting the message once the number is reached. Therefore, there exists a need for sender-controllable archiving of messages.

Moreover, the receiver of a message in reply to an original message is usually assumed to be the sender of the original message. In some cases, the sender of the original message may desire that a third party is the receiver of the message in reply to the original message. For example, One sending a message on behalf of another person may desire that replies to the message will be directly sent to the another person. Moreover, the receiver may forward a message after receiving it. Sometimes, a sender perhaps may expect the receiver to forward the received message only to a particular group of people. However, the existing messaging services does not provide the functions of selectively restricting, by the sender of a message, the target to which the message may be forwarded or the expected receiver of the reply to the message.

Disclosure of the Invention

Advantageously, a message sender of the mobile phone may participate in the control, of the message behaviors on the recipient mobile phone in an end-to-end way.

According to a first aspect, the present invention provides a method for controlling a mobile phone, wherein the mobile phone is capable of receiving a message sent by another mobile phone through a message transmission system, the method comprising the steps of: receiving the message from another mobile phone, wherein the received message comprises a presentation part and an associated control part, the control part associated with control of processing of the received message; extracting the control part from the received message; and executing an operation associated with the message based on the extracted control part.

According to an embodiment of the present invention, the control part may comprise one or more of the following: a notification mode centred command, a forwarding control command, an archiving control command, a reply-to recipient control command, wherein each command may have associated control parameters.

According to an embodiment of the present invention, the message may take the format of MIME, wherein the one or more control commands are included in the MIME header, and the control parameters are included in the MIME body. In addition, the presentation part of the message comprises message layout and message data, the message layout being included in the MIME header, and the message data being included in the MIME body.

According to an embodiment of the present invention, the control, command is based on the XML language.

According to a second aspect, the present invention provides a mobile phone having a receiving device for receiving a message sent by another mobile phone through a message transmission system, comprising: a message decomposition unit for decomposing the received message into a presentation part and an associated control part, the control part associated with control of processing of the received message; and an

execution device for executing an operation associated with the message based on the control part.

Preferably, the mobile phone comprises a receiving device for receiving the message sent by other mobile phones through a message transmission system, and an execution device for executing the control and management related to the received message. Besides, the mobile phone may also comprise a message decomposition unit for decompose the received message into a presentation part and a control part, wherein the control part describes how the received message is controlled and managed on the mobile phone; and the execution device performs the appropriate operations according to the control part.

Complete Specification

The present invention regards a device by wireless transmission between a microphone/earpiece and a mobile telephone, telephone, switchboard or similar as stated in the preamble of Claim 1. Microphone/earpiece combinations that are in wireless communication with telephones, switchboards etc. are known. However, such known devices are generally made with a bow for the earpiece and a microphone connected to this bow. Such devices are unsuitable for use with portable appliances, as the device, when not in use, should be shaped so as to fit easily into a pocket, bag or similar storage space.

As such it will be practical for the earpiece and the microphone to be integrated into one unit, to allow it to be placed in the ear in a simple manner, while fitting the ear in a comfortable and stable manner. There are currently hearing aids in existence that are carried on the ear, so-called earplug devices. However these do not favour mass production, as they must be adapted to each user separately in order to be stable and comfortable to use. This is due in particular to the fact that the ear opening into which the plug is to be inserted, differs from person to person. The external ear also differs from person to person, but these differences are not so great. This means that by using the external shape of the ear to attach an ear piece, two to three different sizes would be enough to cover these differences.

Furthermore, an ear plug will block the auditory canal and feel uncomfortable to the user. In addition, the natural production of wax in the ear will not escape, thus necessitating regular rising of the ear.

Ear pieces for walkmen etc. are known, which make use only of the outer part of the ear > for fastening; however these have a circular shape and make use only of the lower part of the outer cavity of an ear for fastening, and small differences in ear size will cause them not to fit particularly well.

The object of the present invention is to avoid these drawbacks while providing stable and comfortable support of an earpiece with a microphone, this being provided by means of a device of the type mentioned by way of introduction, the characteristics of which appear from Claim 1. Further characteristics of the invention appear from the remaining, dependent claims.

The form of the earpiece allows the auditory canal to remain open to the surroundings to a certain degree, which provides better comfort than a unit that blocks or closes off the auditory canal.

In the following, the present invention will be described in greater detail with reference to the drawings, in which:

Fig. 1 shows an ear with a common, known earplug for hearing aids; and Fig. 2 shows an earpiece according to the present invention with a microphone rod.

Figure 1 shows a known earplug 1 for a hearing aid. As is apparent from the figure, the outer periphery of the earplug is held in the ear by the outer parts of the ear such as the lower part of the antihelix 13, antitragus 3 and tragus 4 of the ear, abutting intertragic notch 14. The earplug 1 is further held by the hearing unit having a plug that extends into the interior of the ear, with the previously mentioned drawbacks.

By the present invention, a larger part of the external ear is utilised, thus achieving higher stability while providing more comfort to the user than the previously known solutions. The present invention also utilises the upper part of the antihelix 13 and the cavity covered by the lower node 15 of the antihelix and the flap 2 covering said cavity by the outer part of the ear adjacent to the head.

The earpiece 10 according to the present invention is shown schematically in Fig. 2, with a microphone 6 and a microphone rod 12 connected to the earpiece 10 at the junction point 11. The microphone rod contains the connection between the microphone 6 and the transmitter/receiver arranged in the earpiece 10. The power supply for the transmitter/receiver is also disposed in the earpiece, in the lower part 7 of the earpiece 10 in the form of a rechargeable battery, e.g. a miniature penlight cell that, by virtue of its shape and weight leads to a low centre of gravity relative to the rotational axis formed at the landing point in the lower part of the ear cavity (by intertragic notch 14). This helps increase the dynamic stability of the earpiece 10 when the user is in motion. If the centre of gravity is any higher, any centripetal forces caused by quick movements on the user's behalf would cause the earpiece 10 to be pulled out of position from above.

The antenna of the wireless part may be positioned e.g. in the microphone rod.

The earpiece 10 is C-shaped, the curve 9 of the outer C corresponding to the antihelix 13 of the ear and having a sloping surface, so that the C follows the inner part of the antihelix 13, with the lower part of the C being located partly underneath the antitragus 3 of the ear. The battery part 7, is laying, projects down from the C while providing a guide and a weight for the correct positioning of the earpiece 10 by more or less lying in the intertragic notch 14 of the ear, and the lower part 8 of the C projects into the cavity formed below the tragus 4 of the ear. The upper part of the C projects into the cavity covered by the lower node 15 of the antihelix and underneath the flap 2 covering the lower part of said cavity.

By use of the earpiece 10, an opening is formed between the outer periphery 16 of the earpiece 10 and the wall of the ear. This means that the ends 5 and 8 of the C project out from the casing of the earpiece 10. Likewise, the part of the earpiece 10 containing the hearing element is retracted slightly relative to the C-shaped part, ensuring that the hearing element does not abut the auditory canal directly, allowing the formation of an opening between the auditory canal and the surroundings.

WE CLAIM:

1. A device for wireless transmission between a microphone/earpiece and a mobile telephone, switchboard or similar, characterized in that the earpiece (10) is shaped as a large C, and that the distance between the ends (5, 8) of the C is approximately equal to the distance between a first cavity formed under the tragus (4) of the ear and a second cavity covered by the lower node (15) of the antihelix of the ear, the upper part of the C projecting in underneath a flap (2) covering the lower part of the second cavity.
2. The device as claimed in claim 1, wherein the earpiece (10) comprises a casing part containing a transmitter/receiver, an antenna, a microphone (6) and a battery (7).
3. The device as claimed in claims 1 and 2, wherein the microphone (6) is connected to the earpiece (10) through a microphone rod (12) also containing the antenna for the transmitter/receiver.
4. The device as claimed in claims 3 and 4, wherein the ends (5, 8) of said C project from said casing part.

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5. Detailed information of Patents (01/01/1995 onwards)

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4. Full Details including Complete Specification, Original documents & Patent e-register are available for Patent Applications filed 01/01/1995 onwards

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Total No Of Record(s) : 219

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No.	Application Number	Publication Number	Title Of Invention	Date Of Filing	Priority Country
1	<u>00260/KOLNP/2006</u>	31/2007	Digital mobile telephone transaction and payment system	03/02/2006	Not Applicable
2	<u>01009/KOL/2005</u>	32/2007	Solar mobile phone charger	07/11/2005	N/A
3	<u>01145/KOL/2005</u>	30/2007	A multipurpose mobile ear phone adaptor	19/12/2005	N/A
4	<u>10/DELNP/2008</u>	24/2008	"method and apparatus for controlling a function of a mobile phone in a mobile communication system"	01/01/2008	Republic of Korea
5	<u>10010/DELNP/2007</u>	25/2008	System for live television broadcasting from a mobile telephone	24/12/2007	Spain
6	<u>1002/CHE/2010</u>	19/2010	Intelligent mobile phone jammer in secured area	12/04/2010	N/A
7	<u>1009/MUMNP/2005</u>	19/2006	Method apparatus and a system for locating a mobile phone	14/09/2005	U.S.A.
8	<u>1012/CHENP/2010</u>	35/2010	Method and apparatus for determining preferred image format between mobile video telephones	23/02/2010	Republic of Korea
9	<u>1014/KOL/2010</u>	34/2013	Mobile phone interpreterd	14/09/2010	N/A
10	<u>1023/CHE/2006</u>	49/2007	Method of mapping characters for a mobile telephone keypad	13/06/2006	U.S.A.
11	<u>1024/CHE/2010</u>	23/2010	Mobile phone charger with an inbuilt energy management system	13/04/2010	N/A
12	<u>1024/KOL/2007</u>	13/2009	Mobile communication device capable of providing candidate phone number list and method of controlling operation of the mobile communication device	19/07/2007	Republic of Korea
13	<u>10453/DELNP/2011</u>	49/2012	Multimedia messaging service center and method for caching mobile phone newspaper thereof	30/12/2011	China
14	<u>106/MUMNP/2010</u>	26/2010	Real time translation system and method for mobile phone contents	18/01/2010	Republic of Korea
15	<u>1065/KOLNP/2013</u>	36/2013	System and method for utilizing mobile telephones to combat crime	16/04/2013	U.S.A.

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No.	Application Number	Patent Number	Title Of Invention	Date Of Filing (National)
1	33187	33187	Refrigerating systems and method for mobile vehicles.	05/09/1945
2	33149	33149	Improvements in telephone relaying and amplifying means for the aid of deaf or like persons.	29/08/1945
3	33145	33145	Manufacture of new nitrosulphones.	29/08/1945
4	32958	32958	Improvements in or relating to microphones.	30/07/1945
5	3292	3292	Telephone transmitter.	18/09/1917
6	3289	3289	Improvements in automatic and semi-automatic telephone systems.	17/09/1917
7	32801	32801	Improvements in or relating to apparatus for feeding gramophone records to a turntable	04/07/1945
8	32779	32779	Improvements in carrier telephone system and the like.	29/06/1945
9	32718	32718	Telephone exchange systems.	26/06/1945
10	32532	32532	Improvements in or relating to electric switching systems for instance, automatic telephone exchange systems.	15/05/1945
11	32529	32529	Bank strips for use , for instance, in automatic telephone systems.	15/05/1945
12	32411	32411	Improvements in or relating to telephone systems.	18/04/1945
13	32261	32261	Improvements in or relating to telephone systems.	24/03/1945
14	32258	32258	Improvements in or relating to telephone exchange systems	24/03/1945
15	32257	32257	Automatic and semi-automatic telephone exchange systems	24/03/1945

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | ...

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Application Number	260/KOL/2006
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Detail

APPLICATION NUMBER	260/KOL/2006
APPLICANT NAME	SAMSUNG ELECTRONICS CO. LTD.
DATE OF FILING	24/03/2006
DATE OF COMPLETE SPECIFICATION	24/03/2006
PRIORITY DATE	19/05/2005
TITLE OF INVENTION	KEYPAD ASSEMBLY FOR A PORTABLE TERMINAL AND METHOD OF MANUFACTURING THE SAME
PUBLICATION DATE (U/S 11A)	24/08/2007
POST GRANT JOURNAL DATE (U/S 43(2))	13/03/2009

Application Status

Date Of Certificate Issue	18/03/2009 15:40:25
Status	Granted Application, Patent Number : 231744

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Patent No.: 231744	Grantee: SAMSUNG ELECTRONICS CO. LTD.(Republic of Korea)
Date of Filing: 24/03/2006	Address: 416, MAETAN-DONG, YEONGTON-GU, SUWON-SI, GYEONGGI-DO
Date of Grant: 09/03/2009 13:37:52	Address for Service: M/S. L.S. DAVAR & CO., 32 RADHA MADHAV DUTTA GARDEN LANE, KOLKATA-700 010.
Ceased:	Title: KEYPAD ASSEMBLY FOR A PORTABLE TERMINAL AND METHOD OF MANUFACTURING THE SAME

Priority Date: 00:00:0019/05/2005((Republic of Korea))

Application No. 260/KOL/2006

Date of Recordal : 18/03/2009 15:40:25

Type of Application: CONVENTION
APPLICATION
Appropriate Office-KOLKATA

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3923	03/06/2009 16:11:41	3th		
3923	03/06/2009 16:11:41	4th		
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1308	27/02/2012 13:17:24	7th		
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 bali@nic.in

Číselný systém - Indie

TYPY DOCUMENTŮ A DRUHY KÓDŮ

18 month publication

- publication of application
- pre-grant opposition
- WIPO code: A

Publication of specification

- post-grant opposition (>2005)
- WIPO code: A1

Patent of addition

- published with a new number
- WIPO code: A7, DocDB code: E

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nnnnn/LLL/yyyy application numbers (> 1972)

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- three digits for the filing office/city code (L)
- four digits for the year (y)

(nnnnn/LLLNP*/yyyy PCT application numbers >2003)

(IN/PCT/yyyy/nnnnn/LLL PCT application numbers < 2003)

* NP for national phase

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- Mumbai (dříve Bombay) = MUM (BOM)
- Chennai (dříve Madras) = CHE (MAS)
- Delhi = DEL

nnnnnn publication numbers (> 1912)

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- no year

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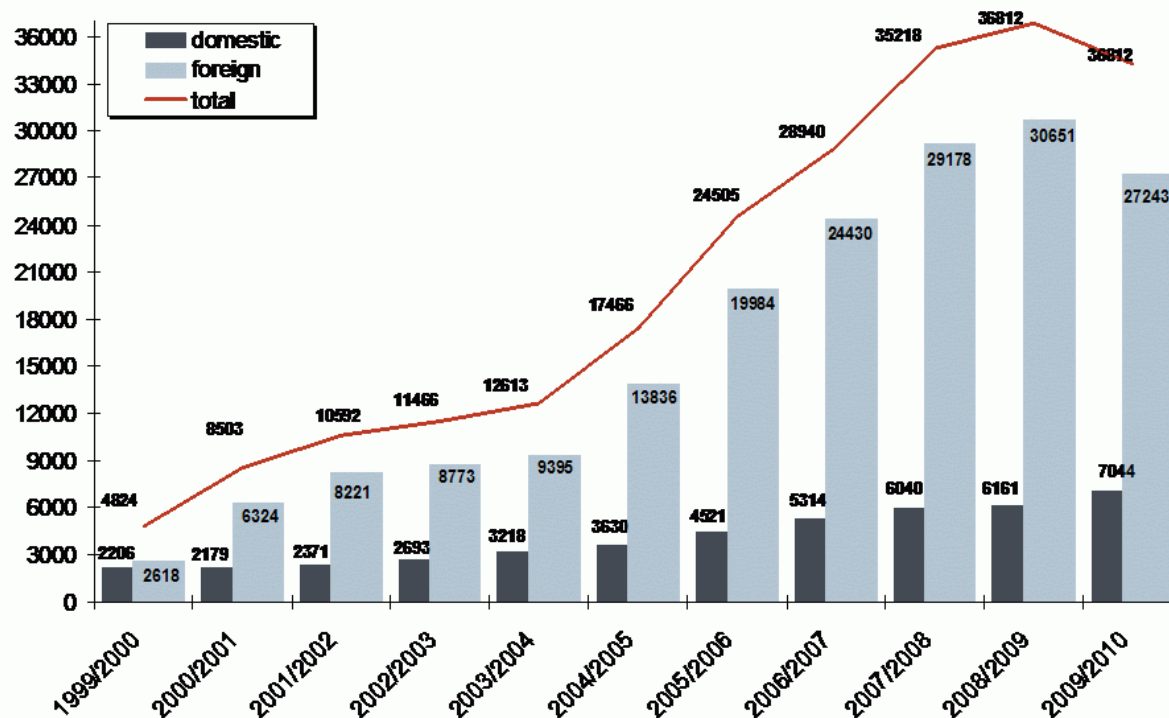
Sl. No.	Name of Institutes/Universities	Applications filed
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2.	AMITY UNIVERSITY	81
3.	INDIAN INSTITUTE OF SCIENCE	45
4.	SERUM INSTITUTE OF INDIA LIMITED	12
5.	THE ENERGY AND RESOURCES INSTITUTE (TERI)	07
6.	INSTITUTE OF LIFE SCIENCES	06
7.	DALMIA INSTITUTE OF SCIENTIFIC & INDUSTRIAL RESEARCH	04
8.	JADAVPUR UNIVERSITY	04
9.	KRISHNA INSTITUTE OF MEDICAL SCIENCES	04
10.	MANIPAL INSTITUTE OF TECHNOLOGY	04

Top 10 Foreign Applicants

Sl. NO.	Name of Organisation	Number of Applications
1	QUALCOMM INCORPORATION	852
2	KONINKLIJKE PHILIPS ELECTRONICS N.V.	725
3	SONY CORPORATION	296
4	NOKIA CORPORATION	267
5	ROBERT BOSCH GMBH	244
6	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	242
7	SIEMENS AKTIENGESELLSCHAFT	234
8	BASF SE	222
9	MICROSOFT CORPORATION	220
10	NOVARTIS AG	203

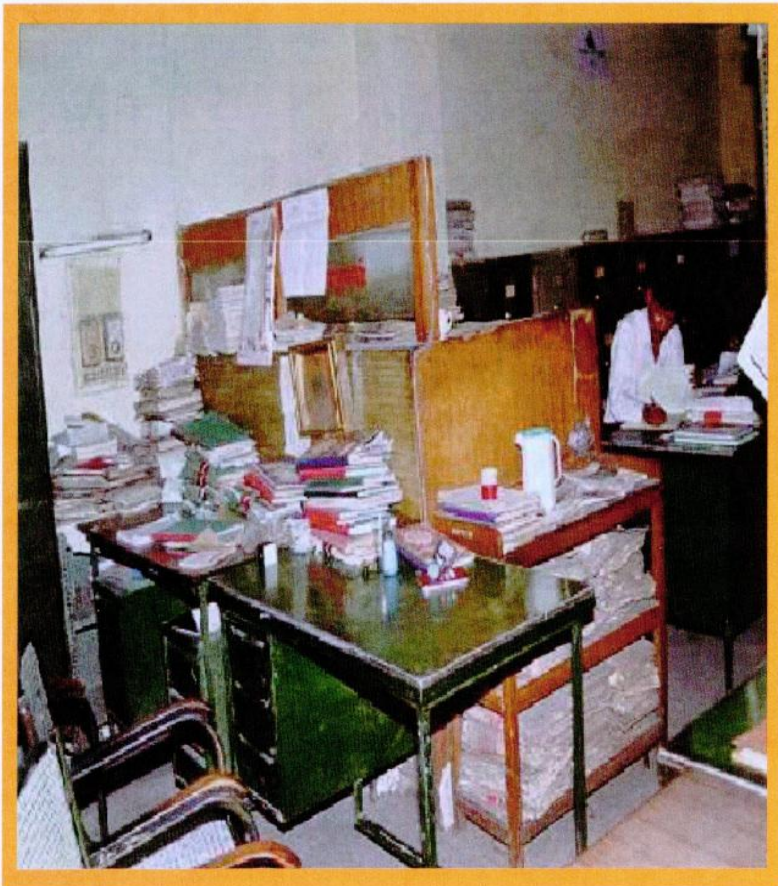
Přihlášky vynálezů 2003 - 2010

Evolution of patent applications (domestic vs. foreign)



(source: IPIIndia annual reports)

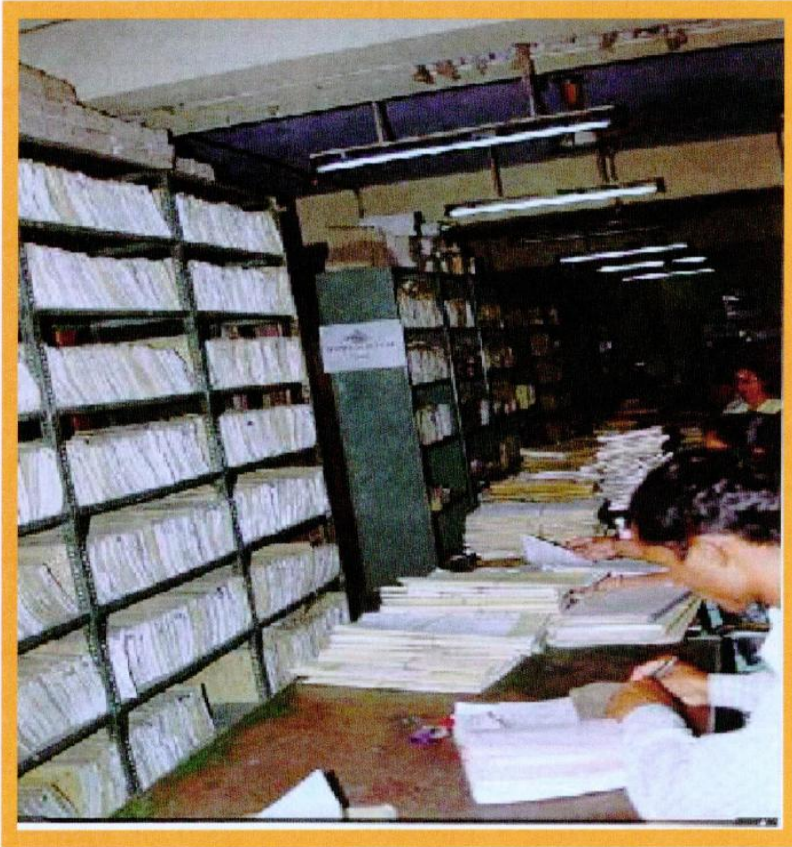
Before



Now



Before



Now



Before



Now



Before



Now



Děkuji za pozornost

