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(54) Title of the invention : AUTOMATED ALERT DEVICE FOR THE HEARING IMPAIRED PEOPLE

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(57) Abstract :

ABSTRACT: Huge populations of hearing impaired people in the world are still struggling for their independence requiring help from other individuals in their daily life. Hearing aids assist hearing impaired people to listen to the sounds produced in the environment. But studies show that hearing aids cannot be used by stone deaf or hard of hearing people. Sound contributes for much useful information around us. In the modern world, the i sounds produced in the environment can be made accessible to hard of hearing people. Our device is specially designed to notify the hard of hearing impaired people about the various sounds which will be helpful for them. Taking into consideration the common sounds which is useful for the hearing impaired and providing appropriate notifications to them is the main motive of the device. A microphone/ sound sensor picks the trained sounds, processes and matches it and alerts a hearing impaired person. The alert is given by means of a vibrator enclosed in a wrist band or a pocket device of the hard of hearing person. Simultaneously, different colored LEDs blink representing each sound to alert the subject. Thus, the intellectual property is precisely novel because the pocket device is a perfect fit, very comfortable, user friendly, highly alerting and energy efficient device.

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