

(54) Title of the invention : SMART MASK SHAPED MOUTHSET CAPABLE OF ENHANCING AND SYNTHESIZING SPEECH EVEN FROM LIP MOVEMENTS

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(57) Abstract :

Abstract: - In today's time, it is very hard to find a person who does not own a mobile phone. Mobile phones are one of the most important innovation which is useful for humans in current digital era. Most of them becoming slave to mobile phone due to its functionality. It is the smallest gadget in invention, which is becoming a basic need of life equivalent to the fundamental needs. Saying about mobile phone the basic purpose of its design is different but now we started using in a different and multifunctional approaches. The first and foremost role that mobile phones play in our lives is that they provide us an easy and fast way of communication. They are not just useful for communication but comes handy in other day to day tasks. If you are carrying the latest smartphone, you don't need to have any extra requirements such as camera, calculator, torch, music player, watch or radio. Your smartphone can do all these tasks easily. And if you are getting bored, you can play games on your phone or chat with your friends. Moreover, with millions of apps available for almost anything you can think of, mobile phones are certainly the most useful tool for us today. In such mobile phone to enhance the features of it, this novel design of accessory have been designed. It consist of multiple data acquisition modules such as Mic, Camera setup and Electromyography setup which are controlled and computed using artificial intelligence based functional arrangements. It plays its vital role to help the dumb person to generate speech from their muscle activity and conveys clear speech of communication even at noisy environment. To make commercial this novel design invention has been given a relevant name to introduce which is referred as Mouthset.

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