

(54) Title of the invention : AI BASED VOICE MEDICAL PRESCRIPTION

(51) International classification :G06Q0050220000,  
G16H0020100000,  
G06F0003010000,  
G06Q0010100000,  
A61K0036481000

(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No :NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

## (71)Name of Applicant :

1)Dhivya R

Address of Applicant :Assistant Professor Department of  
Computer Science and Engineering Paavai Engineering College  
Tamil Nadu India

2)B Venkatesan

3)Dr.P.Thiyagarajan

4)D. Yogapriya

5)Dr.P.Nandhini

6)Santhiya P

7)S.Sakthivel

8)E. Elanchezhian

9)R Loganathan

10)Kakirala Durga Bhavani

11)Kaviyaraj R

12)S. Suresh Kumar

## (72)Name of Inventor :

1)Dhivya R

2)B Venkatesan

3)Dr.P.Thiyagarajan

4)D. Yogapriya

5)Dr.P.Nandhini

6)Santhiya P

7)S.Sakthivel

8)E. Elanchezhian

9)R Loganathan

10)Kakirala Durga Bhavani

11)Kaviyaraj R

12)S. Suresh Kumar

## (57) Abstract :

In India thousands of people dies as a result of wrong medication and normal ailments leads to severe ailments. The scenario is voice recognition. It plays vital role for an effective interaction between human and computer. The scenario of recognition of voice can be used as a trigger to number of virtual application. This patent is proposed framework that signifies use of voice recognition techniques for medicine prescription. the main aim is to avoid many errors involved in the administration of the wrong drug or dosage by care givers to patients due to indecipherable handwritings, drug interactions, confusing drug names etc. The adoption of voice-based applications could eliminate some of these errors because they allow prescription information to be captured and heard through voice response rather than in the physician<sup>TM</sup>s handwriting. The application can be accessed through a mobile application by the physicians. It automates the process of prescribing medications, without compromising the convenience of the traditional notepad. It provides facility to sign the prescription DIGITAL SIGNATURE and also send to the patient directly on his /her phone through E-mail. System performance is analysed by creating e-prescription for the patients . An accuracy of 90% has been achieved for voice recognition.

No. of Pages : 7 No. of Claims : 6