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पेटेंट कार्यालय का एक प्रकाशन  
PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : A GLOVE FOR SIGN LANGUAGE COMMUNICATION AND THE METHOD EMPLOYED THEREOF

<p>(51) International classification :G06F0003010000, G09B0021000000, A41D0019000000, A61B0005000000, B60K0037060000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : <b>1)Dr. M. MAHALAKSHMI</b> Address of Applicant :CMR College of Engineering &amp; Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. Hyderabad ---- -----</p> <p><b>Name of Applicant : NA</b> <b>Address of Applicant : NA</b></p> <p>(72)Name of Inventor : <b>1)Dr.M.MAHALAKSHMI</b> Address of Applicant :CMR College of Engineering &amp; Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- <b>2)Shaik Reezwana</b> Address of Applicant :CMR College of Engineering &amp; Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- <b>3)B.Akshitha</b> Address of Applicant :CMR College of Engineering &amp; Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- <b>4)Saini Surya Veender</b> Address of Applicant :CMR College of Engineering &amp; Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- <b>5)Dr. M Suresh</b> Address of Applicant :CMR College of Engineering &amp; Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- <b>6)B. Venkateshwar Rao</b> Address of Applicant :CMR College of Engineering &amp; Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- <b>7)B.Goutham</b> Address of Applicant :CMR College of Engineering &amp; Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- <b>8)T. Karthikeswara Reddy</b> Address of Applicant :CMR College of Engineering &amp; Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- <b>9)K.Deepthi Priyanka</b> Address of Applicant :CMR College of Engineering &amp; Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. -----</p>
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(57) Abstract :  
Exemplary embodiments of the present disclosure are directed towards a glove for sign language communication. The glove includes a glove body for enclosing the hand of a user; wherein the glove body further comprises a main body portion configured to cover a main body of a hand, and an extended portion extending from the main body portion configured to cover fingers. A plurality of fingers attached to the glove body, whereby at least one finger is configured to enable the user to make sign language gestures. A plurality of flex sensors attached at backside of the plurality of fingers, whereby at least one flex sensor is configured to measure the bending of each finger when a gesture is made; and a microprocessor (not shown) connected to at least one flex sensor, whereby the plurality of sensors configured to send the measured values to the microprocessor, wherein the microprocessor processes the received signals from the plurality of sensors and converts the signals into one or more output signals. FIG. 1

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