

(54) Title of the invention : A SYSTEM AND METHOD FOR FACIAL RECOGNITION USING MICRO DRONE

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number Filing Date</p> <p>(62) Divisional to Application Number Filing Date</p>	<p>:G06K0009000000, B64C0039020000, G05D0001000000, B64D0047080000, G06K0009620000</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>: NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p>	<p>(71)Name of Applicant :</p> <p><b>1)Dr. Preetisudha Meher</b> Address of Applicant :Assistant Professor, NIT Arunachal Pradesh,</p> <p><b>2)Dr. V. Gokula Krishnan</b></p> <p><b>3)Aswini Kumar Patra</b></p> <p><b>4)Dr. Pinagadi Venkateswara Rao</b></p> <p><b>5)Dr. Vijay Kumar Sharma</b></p> <p><b>6)Lukram Dhanachandra Singh</b></p> <p><b>7)Gayathri Parasa</b></p> <p><b>8)Dr. Raja Varma Pamba</b></p> <p><b>9)Mr.Yadav Rahul Shivaji</b></p> <p><b>10)Mr. Prasanna Rajendra Kadam</b></p> <p>(72)Name of Inventor :</p> <p><b>1)Dr. Preetisudha Meher</b></p> <p><b>2)Dr. V. Gokula Krishnan</b></p> <p><b>3)Aswini Kumar Patra</b></p> <p><b>4)Dr. Pinagadi Venkateswara Rao</b></p> <p><b>5)Dr. Vijay Kumar Sharma</b></p> <p><b>6)Lukram Dhanachandra Singh</b></p> <p><b>7)Gayathri Parasa</b></p> <p><b>8)Dr. Raja Varma Pamba</b></p> <p><b>9)Mr.Yadav Rahul Shivaji</b></p> <p><b>10)Mr. Prasanna Rajendra Kadam</b></p>
--	---	--

(57) Abstract :

Aspects of present disclosure relate to a system (100) and method (200) for facial recognition using micro drone for efficient monitoring and surveillance of a locality for defense purposes. The micro unmanned aerial vehicle (102) disclosed in the present invention is capable of accessing and monitoring even congested and threat-prone area without drawing unwanted attention. The system (100) disclosed in the present invention includes, but not limited to, a micro unmanned aerial vehicle (102) and a computing node (104). The present invention also discloses a method (200) which includes, but is not limited to, steps such as acquiring (202) image data, applying face recognition techniques (206) and displaying (208) the processed image data. The operation of the micro unmanned aerial vehicle (102) and reception and transmission of data between the embodiments of the present invention are achieved remotely.

No. of Pages : 22 No. of Claims : 6