

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/05/2019

(21) Application No.201911018925 A
(43) Publication Date : 05/07/2019

(54) Title of the invention : IS-FAN: INTELLIGENT SEILING FAN

(51) International classification :F04D25/088
(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)PROF.(DR.) BEG RAJ

Address of Applicant :DIRECTOR/ PRINCIPAL, AITM
ENGINEERING INSTITUTE, PAHARIA- SARNATH ROAD
ASHOKA ENGINEERING CHAURAHA SARNATH,
PAHARIA, VARANASI-221007 UTTAR PRADESH , INDIA
Uttar Pradesh India

2)P.ILA CHANDANA KUMARI

3)G. CHANDRA SEKHAR

4)DR. SHAIK KHAMURUDEEN

5)DR. ATUL A. PATIL

6)MR. VIJAYKUMAR KISAN JAVANJAL

7)DR.RUPESH VASUDEO BHORTAKE

8)DR. KISHOR BHASKAR WAGHULDE

9)MR. RAHUL K UNDEGAONKAR

(72)Name of Inventor :

1)PROF.(DR.) BEG RAJ

2)P.ILA CHANDANA KUMARI

3)G. CHANDRA SEKHAR

4)DR. SHAIK KHAMURUDEEN

5)DR. ATUL A. PATIL

6)MR. VIJAYKUMAR KISAN JAVANJAL

7)DR.RUPESH VASUDEO BHORTAKE

8)DR. KISHOR BHASKAR WAGHULDE

9)MR. RAHUL K UNDEGAONKAR

(57) Abstract :

Present invention is related to fan and their technology to control through voice input Through voice the fan can start, increase, decrease speed. A ceiling fan is a mechanical fan mounted on the ceiling of a room or space, usually electrically powered, suspended from the ceiling of a room that uses hub-mounted rotating blades to circulate air, The present invention resolve one or more of the deficiencies in existing ceiling fans by using a high efficiency Electronically Commutated (EC) motor in a Totally Enclosed Non-Ventilated (TENV) design. An EC motor has rotor poles provided by permanent magnetic materials, such as Ceramic or Neodymium Iron Boron, which do not consume any electrical power. This allows an EC ceiling fan motor to run with substantially lower losses than a comparatively rated AC induction motor.

No. of Pages : 11 No. of Claims : 7