

Title (en)  
An electric fan

Title (de)  
Elektrischer Lüfter

Title (fr)  
Ventilateur électrique

Publication  
**EP 1225341 A2 20020724 (EN)**

Application  
**EP 02000923 A 20020116**

Priority  
IT TO20010038 A 20010119

Abstract (en)  
An electric fan (1) comprises a blade impeller (6, 8) and an electric motor with a rotor part (11, 12) including a plurality of permanent magnets (12) fixed to a peripheral ring (19) of the impeller (6), and a stator part (28, 31) which faces a portion of the said ring (11) of magnets (12) of the rotor and which comprises a winding (31) and a support structure (2;20) in which the impeller (6) is rotatably mounted and to which the stator part of the motor is fixed. The support structure comprises a bracket (20) of generally elongate form having a first end (20a) provided with rotation support means (21) for the impeller (6) and a second end (20b) to which the stator part (28-31) of the electric motor is fixed. <IMAGE>

IPC 1-7  
**F04D 25/06**; F04D 29/58; F04D 29/64

IPC 8 full level  
**F04D 25/06** (2006.01); **F04D 29/58** (2006.01); **F04D 29/64** (2006.01)

CPC (source: EP US)  
**F04D 25/066** (2013.01 - EP US); **F04D 29/5813** (2013.01 - EP US); **F04D 29/646** (2013.01 - EP US)

Cited by  
DE102008049757A1; CN105443446A

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 1225341 A2 20020724**; **EP 1225341 A3 20030122**; **EP 1225341 B1 20081217**; DE 60230347 D1 20090129; HK 1048351 A1 20030328; IT TO20010038 A0 20010119; IT TO20010038 A1 20020719; US 2002110456 A1 20020815

DOCDB simple family (application)  
**EP 02000923 A 20020116**; DE 60230347 T 20020116; HK 03100487 A 20030120; IT TO20010038 A 20010119; US 5057202 A 20020118