

Title (en)  
FAN DEVICE

Title (de)  
LÜFTERVORRICHTUNG

Title (fr)  
DISPOSITIF DE VENTILATION

Publication  
**EP 3643926 B1 20211222 (EN)**

Application  
**EP 19155825 A 20190206**

Priority  
TW 107137959 A 20181026

Abstract (en)  
[origin: EP3643926A1] A fan device includes a casing unit (3) and a fan impeller unit (4) mounted in the casing unit (3). The casing unit (3) includes a casing body (31) formed with a receiving space (310) and an air outlet port (318), a porous plate (32) formed with a plurality of through holes (329) and is disposed in the receiving space (310) to divide the receiving space (310) into an air-flowing room (301) and a noise-reduction room (302), and an air-entering tube (33) in spatial communication with the air-flowing room (301) . The fan impeller unit (4) is disposed in the air-flowing room (301) and rotatable to generate airflow partially flowing from the air-flowing room (301) into the noise-reduction room (302) through the through holes (329).

IPC 8 full level  
**F04D 29/42** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP US)  
**F04D 17/167** (2013.01 - US); **F04D 29/4226** (2013.01 - EP); **F04D 29/441** (2013.01 - US); **F04D 29/661** (2013.01 - US);  
**F04D 29/665** (2013.01 - EP)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 3643926 A1 20200429**; **EP 3643926 B1 20211222**; TW 202016434 A 20200501; TW I735813 B 20210811; US 2020132080 A1 20200430

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