

Title (en)  
FAN

Title (de)  
LÜFTER

Title (fr)  
VENTILATEUR

Publication  
**EP 3596341 B1 20230426 (DE)**

Application  
**EP 18746183 A 20180726**

Priority  
• DE 102017007370 A 20170807  
• EP 2018070283 W 20180726

Abstract (en)  
[origin: WO2019030006A1] The housing (17) of a fan (1) comprises an inflow-side end surface (2), an outflow-side end surface (16), and a wall ring (15) which extends in the direction of an axis (12) from one of the end surfaces (2) to the other (16) and bounds a fan passage. A fan wheel (10) is arranged in the fan passage. A grid (3) is arranged on the inflow-side end surface (2), said grid having a hub (8) positioned centrally in the fan passage, primary struts (4) extending in the radial direction between the hub (8) and the edge of the fan passage and secondary struts (6) which intersect the primary struts (4).

IPC 8 full level  
**F04D 25/06** (2006.01); **F04D 29/54** (2006.01); **F04D 29/66** (2006.01); **F04D 29/70** (2006.01)

CPC (source: EP US)  
**F04D 19/002** (2013.01 - US); **F04D 25/0606** (2013.01 - EP); **F04D 25/0613** (2013.01 - US); **F04D 25/0646** (2013.01 - US);  
**F04D 25/0693** (2013.01 - EP US); **F04D 25/08** (2013.01 - US); **F04D 29/4226** (2013.01 - US); **F04D 29/526** (2013.01 - US);  
**F04D 29/541** (2013.01 - US); **F04D 29/542** (2013.01 - EP); **F04D 29/544** (2013.01 - US); **F04D 29/666** (2013.01 - EP);  
**F04D 29/667** (2013.01 - US); **F04D 29/703** (2013.01 - EP US); **F05D 2250/51** (2013.01 - EP)

Citation (examination)  
• US 6503060 B1 20030107 - KAMADA MASASHI [JP], et al  
• US 5304040 A 19940419 - WANG JUI-SHANG [TW]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
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US 11221026 B2 20220111; US 2020149536 A1 20200514; WO 2019030006 A1 20190214

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