

Title (en)
RADIAL FAN WITH AIR-GAS MIXING ARRANGEMENT

Title (de)
RADIALLÜFTER MIT LUFT-GAS MISCHUNGSANORDNUNG

Title (fr)
VENTILATEUR RADIAL AVEC DISPOSITIF DE MÉLANGE AIR-GAZ

Publication
EP 3064778 A1 20160907 (EN)

Application
EP 16158639 A 20160304

Priority
IT MI20150336 A 20150306

Abstract (en)
A housing (3) for a fan (1) forms an impeller space (6) for rotationally accommodating an impeller (2) rotatable about a rotation axis (A), an air intake opening (20) in direct communication with the impeller space (6), an exhaust opening (21) for an air-gas mixture, a gas inlet opening (25) spaced apart from the air intake opening (20) and in direct communication with the impeller space (6), so that the impeller space (6) forms a space for mixing an air flow (31) from the air intake opening (20) with a gas flow (32) from the gas inlet opening (25).

IPC 8 full level
F04D 17/16 (2006.01); **F04D 29/42** (2006.01); **F23D 14/62** (2006.01); **F04D 29/62** (2006.01)

CPC (source: EP)
F04D 17/162 (2013.01); **F04D 29/4213** (2013.01); **F04D 29/424** (2013.01); **F23D 14/36** (2013.01); **F23D 14/62** (2013.01); **F04D 29/624** (2013.01)

Citation (search report)
• [XII] DE 102011014117 A1 20120920 - EBM PAPST LANDSHUT GMBH [DE]
• [XII] EP 2597370 A1 20130529 - LN 2 SRL SOCIO UNICO [IT]
• [XP] EP 2927584 A1 20151007 - HONEYWELL TECHNOLOGIES SARL [CH]

Cited by
CN111032384A; CN115483413A; EP3722670A1; EP3739216A1; DE102019112645A1; EP3916243A1; IT202000012616A1; WO2018065155A1; US10815863B2

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BA ME

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