

Title (en)
Engine fan

Title (de)
Motorgebläse

Title (fr)
Ventilateur de moteur

Publication
EP 2886872 A1 20150624 (EN)

Application
EP 13197697 A 20131217

Priority
EP 13197697 A 20131217

Abstract (en)
A fan module (10) of a vehicle engine, the fixed shroud (12) of the module (10) receiving in a circular opening (16) a fan (14) rotating about a main axis (X), said opening (16) being circumvented by a peripheral wall (18) cylindrically extending in the downstream direction (DD) beyond the fan (14) toward a corner edge where said wall (18) angles radially and inwardly to extend toward a circular downstream edge. The downstream portion of the peripheral wall (18) forms an annular channel (C) opening in the upstream direction (UD), said channel (C) forming a continuous space to the gap (G) that is between the tips (22) of the blades (20) of the fan (14), said gap (G) being continuous, non-divided and non-partitioned.

IPC 8 full level
F04D 29/16 (2006.01)

CPC (source: EP US)
F04D 25/06 (2013.01 - US); **F04D 29/023** (2013.01 - US); **F04D 29/164** (2013.01 - EP US); **F04D 29/325** (2013.01 - US);
F04D 29/526 (2013.01 - US); **F04D 29/542** (2013.01 - US); **F04D 29/545** (2013.01 - EP US)

Citation (applicant)
• US 7478993 B2 20090120 - HONG TAO [US], et al
• US 5489186 A 19960206 - YAPP MARTIN G [US], et al

Citation (search report)
• [X] US 2003161728 A1 20030828 - CHO KYUNG-SEOK [KR], et al
• [X] DE 4414893 A1 19951109 - GEIGER PLASTIC VERWALTUNG [DE]
• [X] US 2006147304 A1 20060706 - CHO KYUNGSEOK [KR], et al
• [X] WO 9506822 A1 19950309 - AIRFLOW RES & MFG [US]

Cited by
CN108603512A; US11028858B2; WO2021053010A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2886872 A1 20150624; US 2016312788 A1 20161027; WO 2015091010 A1 20150625

DOCDB simple family (application)
EP 13197697 A 20131217; EP 2014076640 W 20141204; US 201415104686 A 20141204