

Title (en)
Radial ventilator housing

Title (de)
Radiallüftergehäuse

Title (fr)
Boîtier de ventilateur radial

Publication
EP 2275687 A3 20150128 (DE)

Application
EP 10169916 A 20100716

Priority
DE 102009033773 A 20090717

Abstract (en)
[origin: EP2275687A2] The apparatus has a radial fan wheel receiving region limited by a spiral wall, and an air channel limited by a channel wall. A tongue region (8) forming a transition between the spiral wall and the channel wall is designed in a partially adjustable manner and/or bezels are designed in a sectionally adjustable manner. Parts of the tongue region and/or parts of the bezels include an actuator device and/or a connecting device for connection to the actuator device. The tongue region includes tongue walls (16, 17) with tongue wall leading edges (18, 19), respectively. An independent claim is also included for a method for operating a radial fan assembly.

IPC 8 full level
F04D 27/02 (2006.01); **F04D 29/42** (2006.01)

CPC (source: EP)
F04D 27/002 (2013.01); **F04D 29/4213** (2013.01); **F04D 29/422** (2013.01); **F04D 29/4226** (2013.01)

Citation (search report)
• [X] DE 520958 C 19310316 - WESTFALIA DINNENDAHL A G
• [X] US 5772399 A 19980630 - MEHTA PRAVINCHANDRA C [US], et al
• [X] US 2004165984 A1 20040826 - OCHIAI TOSHINORI [JP], et al
• [X] DE 733286 C 19430324 - SCHUECHTERMANN & KREMER

Cited by
CN109424585A; CN114608198A; DE102012221916A1; CN114251283A; EP3561310A4; US10907655B2; WO2024113902A1

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
EP 2275687 A2 20110119; EP 2275687 A3 20150128; DE 102009033773 A1 20110120

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EP 10169916 A 20100716; DE 102009033773 A 20090717