

Title (en)
Ventilation component

Title (de)
Lüftungsbauteil

Title (fr)
Composant d'aération

Publication
EP 2574794 B1 20180124 (DE)

Application
EP 12186254 A 20120927

Priority
• EP 11183516 A 20110930
• EP 12186254 A 20120927

Abstract (en)
[origin: EP2574794A2] The component has a channel-shaped casing (1) for accommodating silencer which is arranged behind the centrifugal fan (2) along air flow direction (4). A slot (3) filled with sound absorption material for noise reduction is provided in the casing, along air flow direction. The slot is formed in a circumferential free space (10) around which the gas is flowed. The number of regions of casing cross-section provided for slots, is corresponded to the number of theoretical cross-sectional areas of casing such that 64-81% of free flow cross-section of the casing is blocked.

IPC 8 full level
F04D 17/16 (2006.01); **F04D 29/66** (2006.01); **F24F 7/06** (2006.01); **F24F 13/24** (2006.01)

CPC (source: EP)
F04D 17/165 (2013.01); **F04D 25/166** (2013.01); **F04D 29/664** (2013.01); **F24F 7/065** (2013.01); **F24F 13/24** (2013.01); **F24F 2013/242** (2013.01)

Citation (examination)
• WO 9309389 A1 19930513 - NOVENCO AS [DK]
• GB 1198549 A 19700715 - PAR ACOUSTICS LTD
• DE 9110195 U1 19911024

Cited by
FR3034504A1; EP3744606A1; FR3096641A1; EP3228873A1; EP3372838A1; FR3013426A1; EP2894414A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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