Title (en)

REGENERATIVE BLOWER

Publication

EP 0332078 B1 19910918 (DE)

Application

EP 89103757 A 19890303

Priority

- DE 3807362 A 19880306
- DE 3822267 A 19880701

Abstract (en)

[origin: EP0332078A1] An annular duct fan (1) is indicated which serves in particular for delivering combustion air on heating appliances, preferably motor vehicle heating appliances. In this annular duct fan (1) there is a gradual transition from the pressure area to the outlet or to the outlet aperture (9), the annular duct (4) being covered on that side of the annular duct facing an impeller wheel (3), upstream of the outlet (9). A crescent-shaped or sail-shaped covering section (11) is appropriately provided which, starting from the inside edge of the annular duct (6) roughly on a level with the projection of the outlet aperture to the annular duct (6) constantly tapers towards the compression seal in the annular duct (6) of the annular duct fan (1) and ends on the outer edge (5) of the annular duct (6) of the annular duct fan in a type of rounded peak (13). In addition a section is provided on the inlet area (17) which is formed by the web-shaped interrupter (16) and which partially covers the inlet aperture (8) and which, starting from the outer edge (5) of the annular duct, extends approximately tangentially to the inner edge (6) of this. This section (17) is also slightly inclined in the direction towards the base (7) of the annular duct (4). <IMAGE>

IPC 1-7

F04D 23/00; F04D 29/66

IPC 8 full level

B60H 1/03 (2006.01); **F04D 23/00** (2006.01); **F04D 29/66** (2006.01); **F23L 5/00** (2006.01)

CPC (source: EP US)

F04D 23/008 (2013.01 - EP US); **F04D 27/009** (2013.01 - EP US); **F04D 29/161** (2013.01 - EP US); **F04D 29/663** (2013.01 - EP US)

Cited by

DE19638847C5; FR2661217A1; BE1005290A3; ES2046918A2; DE19638847A1; DE19638847C2; WO2010052044A1

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