

Title (en)
Motorised fan for suction hoods

Title (de)
Motorlüfter für Abzugshauben

Title (fr)
Motoventilateur pour hottes aspirantes

Publication
EP 1236908 A3 20030827 (EN)

Application
EP 02004487 A 20020227

Priority
IT AN20010008 U 20010301

Abstract (en)
[origin: EP1236908A2] An air conveyor (1) for suction hoods consists of a pair of half-augers (A,B) which are in juxtaposition; a fan (D) with a transverse plate (C) and a double set of vanes (D1) which are each fixed to the plate (C) with their own attachment point (3) and placed in such a way as to define circular rings that project from the plate (C) bilaterally and coaxially with the rotational axis (4) of the fan (D); and a spring return motor (H), supported by one (A) of the half-augers (A,B), that sustain the fan's (D) plate (C) inside the conveyor (1). The plate (C) has a greater radius (5) than the radius (6) of the circular rings formed by the vanes (D1), in order to ensure that the air flows that are moving separately through the conveyor (1) do not come into contact with each other. <IMAGE>

IPC 1-7
F04D 29/42; F04D 25/16; F04D 17/16; F04D 29/28; F04D 29/70

IPC 8 full level
F04D 17/16 (2006.01); **F04D 29/28** (2006.01)

CPC (source: EP)
F04D 17/162 (2013.01); **F04D 29/283** (2013.01)

Citation (search report)
• [X] US 6110035 A 20000829 - UEMURA YUKIO [JP], et al
• [Y] EP 0627560 A1 19941207 - SEL ALCATEL AG [DE]
• [Y] DE 8909594 U1 19891005
• [A] DE 3804113 A1 19890824 - BOSCH GMBH ROBERT [DE]
• [XY] PATENT ABSTRACTS OF JAPAN vol. 007, no. 203 (M - 241) 8 September 1983 (1983-09-08)

Cited by
CN111456967A; EP1591667A3; CN105545803A; CN105626580A; ITUA20162311A1; CN108885012A; IT201700001204A1; US2019032925A1; EA034148B1; DE102007019056A1; WO2017175085A1; US10782030B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1236908 A2 20020904; **EP 1236908 A3 20030827**; IT AN20010008 U1 20020901; IT AN20010008 V0 20010301

DOCDB simple family (application)
EP 02004487 A 20020227; IT AN20010008 U 20010301