

Title (en)
Motorised fan for suction hoods

Title (de)
Motorlüfter für Abzugshauben

Title (fr)
Motoventilateur pour hottes aspirantes

Publication
EP 1236908 A2 20020904 (EN)

Application
EP 02004487 A 20020227

Priority
IT AN20010008 U 20010301

Abstract (en)
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**

IPC 8 full level
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CPC (source: EP)
F04D 17/162 (2013.01); **F04D 29/283** (2013.01)

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

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