

Title (en)  
Cross flow fan

Title (de)  
Querstromlüfter

Title (fr)  
Ventilateur à courant transversal

Publication  
**EP 0701063 B1 19980923 (DE)**

Application  
**EP 95113231 A 19950823**

Priority  
• DE 9414621 U 19940909  
• DE 29512853 U 19950810

Abstract (en)  
[origin: EP0701063A1] A partition (5) separates the suction (3b) and pressure (3a) chambers, and the fan drum (2) rotates in lateral components, having blade edges parallel to its axis of rotation. From a line (6) at which it is closest to the drum periphery, the guide (4) extends at a steadily increasing distance from the later. The guide enclosing the pressure chamber forms the inside surface of a cowl (8) supported by a plate or panel (7). The bottom end of the latter supports a detachable air-permeable guard trough (13). The plate, supporting the cowl at the top and trough at the bottom, can be inserted at its outer edges (19) in mountings, profiled rails, seams etc. containing an opening in a room wall, ceiling etc.. The fan drum bearings can be in mountings secured in the guide surface of the cowl.

IPC 1-7  
**F04D 17/04**; **F04D 29/62**; **F04D 25/12**

IPC 8 full level  
**F04D 17/04** (2006.01); **F04D 25/12** (2006.01); **F04D 29/42** (2006.01); **F04D 29/62** (2006.01); **F24F 7/013** (2006.01)

CPC (source: EP)  
**F04D 17/04** (2013.01); **F04D 25/12** (2013.01); **F04D 29/4226** (2013.01); **F04D 29/626** (2013.01); **F24F 7/013** (2013.01)

Cited by  
EP1028296A3; CN112718766A; DE102008051507B4

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 0701063 A1 19960313**; **EP 0701063 B1 19980923**; AT E171519 T1 19981015; DE 59503681 D1 19981029

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