

Title (en)  
CENTRIFUGAL FAN WITH FLOW CONTROL

Publication  
**EP 0099615 A3 19840808 (EN)**

Application  
**EP 83301462 A 19830316**

Priority  
GB 8212312 A 19820428

Abstract (en)  
[origin: EP0099615A2] A centrifugal fan having the inner edges of the impeller blades (7) extending parallel to the impeller axis incorporates a circular damper plate (11) supported coaxially within the array of blades with its edge closely adjacent the inner edges of the blades, and movable in an axial direction so as to vary the useful width of the blades and thereby the flow rate. The damper plate, being separate from the impeller (2), may be supported in a non-rotatable manner and enables the fan to operate at an efficiency comparable with one having a radial vane damper, but is simpler mechanically as it requires only a single primary moving part.

IPC 1-7  
**F04D 27/00**

IPC 8 full level  
**F04D 17/08** (2006.01); **F04D 27/00** (2006.01); **F04D 27/02** (2006.01); **F04D 29/46** (2006.01)

CPC (source: EP)  
**F04D 27/003** (2013.01)

Citation (search report)  
[X] US 1834959 A 19311208 - MAY EDWARD M

Cited by  
GB2224076A

Designated contracting state (EPC)  
AT BE CH DE FR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0099615 A2 19840201; EP 0099615 A3 19840808**; AU 1403183 A 19831103; AU 555454 B2 19860925; CA 1218635 A 19870303; DK 161283 A 19831029; DK 161283 D0 19830413; HK 70486 A 19860926; JP S58190599 A 19831107; MY 8700205 A 19871231; NO 831256 L 19831031; NZ 203561 A 19860411

DOCDB simple family (application)  
**EP 83301462 A 19830316**; AU 1403183 A 19830428; CA 424692 A 19830328; DK 161283 A 19830413; HK 70486 A 19860918; JP 6686183 A 19830415; MY 8700205 A 19871230; NO 831256 A 19830408; NZ 20356183 A 19830314