

Title (en)  
Fan scroll

Title (de)  
Spirale für Gebläse

Title (fr)  
Spirale de ventilateur

Publication  
**EP 0961087 B1 20041124 (EN)**

Application  
**EP 99630038 A 19990416**

Priority  
US 8446498 P 19980526

Abstract (en)  
[origin: EP0961087A2] The angular extent of the flow path in a fan scroll is extended by reducing the rate of radial expansion of the flow path. By extending the angular as circumferential extent of the scroll flow path downstream of the fan impeller ANC structure can be located in/on the scroll while being located a sufficient distance downstream of the impeller. The flow path length can be increased without increasing the cubage of the scroll and, if desired, a further flow path increase can be achieved by a combination of the reduced rate of radial expansion together with increasing the cubage. <IMAGE>

IPC 1-7  
**F24F 7/007**; F04D 29/42; F04D 29/66; F24F 13/24

IPC 8 full level  
**F04D 29/42** (2006.01); **F24F 7/007** (2006.01); **F24F 13/24** (2006.01)

CPC (source: EP)  
**F04D 29/4226** (2013.01); **F24F 7/007** (2013.01); **F24F 13/24** (2013.01); **F24F 2013/247** (2013.01)

Cited by  
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Designated contracting state (EPC)  
DE ES FR GB GR IT NL

DOCDB simple family (publication)  
**EP 0961087 A2 19991201**; **EP 0961087 A3 20030108**; **EP 0961087 B1 20041124**; DE 69922083 D1 20041230; DE 69922083 T2 20050331; ES 2230824 T3 20050501

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