

Title (en)  
Turbomolecular pump

Title (de)  
Turbomolekularpumpe

Title (fr)  
Pompe turbomoléculaire

Publication  
**EP 0979947 A3 20010328 (EN)**

Application  
**EP 99306359 A 19990811**

Priority  
JP 22792298 A 19980812

Abstract (en)  
[origin: EP0979947A2] A turbomolecular pump is provided in which the structure of a stator blade (20) is improved for cooling rotor blades (2), thereby achieving a higher thermal conduction efficiency. The arrangement provides contact surfaces of the stator blades (20) and stator blade spacers (22) to be engaged/crushed upon assembling the pump. <IMAGE> <IMAGE>

IPC 1-7  
**F04D 19/04**; **F04D 29/58**

IPC 8 full level  
**F04D 29/00** (2006.01); **F04D 19/04** (2006.01); **F04D 29/58** (2006.01)

CPC (source: EP KR)  
**F04D 19/042** (2013.01 - EP); **F04D 29/00** (2013.01 - KR); **F04D 29/542** (2013.01 - EP); **F04D 29/5853** (2013.01 - EP)

Citation (search report)  
• [A] US 4695223 A 19870922 - CASPAR HANS-PETER [DE], et al  
• [X] PATENT ABSTRACTS OF JAPAN vol. 017, no. 168 (M - 1391) 31 March 1993 (1993-03-31)  
• [A] PATENT ABSTRACTS OF JAPAN vol. 012, no. 347 (M - 743) 19 September 1988 (1988-09-19)

Cited by  
CN112983835A; CN107208649A; US2017363101A1; EP3252314A4; US10480523B2; WO2007025854A1

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

DOCDB simple family (publication)  
**EP 0979947 A2 20000216**; **EP 0979947 A3 20010328**; JP 2000064986 A 20000303; KR 20000017282 A 20000325

DOCDB simple family (application)  
**EP 99306359 A 19990811**; JP 22792298 A 19980812; KR 19990033123 A 19990812