

Title (en)  
Centifugal blower for vacuum cleaner

Title (de)  
Kreiselgebläse für Staubsauger

Title (fr)  
Soufflante centrifugal pour aspirateur

Publication  
**EP 1329185 A3 20030820 (EN)**

Application  
**EP 02011833 A 20020528**

Priority  
KR 20020003035 A 20020118

Abstract (en)  
[origin: EP1329185A2] Disclosed is an impeller (54) of a centrifugal blower for a vacuum cleaner in which caulking positions (R1 to R4) of each blade (54c) caulked between front and rear covers (54a,54b) are set, taking into consideration design parameters including the length and maximum camber position (MCP) of the blade, so as to disperse the stress concentrated on each caulked portion of the blade (54c), thereby causing a minimum stress to be applied to the caulked portion of the blade (54c), so that the impeller (54) secures a structural stability. <IMAGE>

IPC 1-7  
**A47L 5/22**

IPC 8 full level  
**F04D 29/22** (2006.01); **A47L 5/22** (2006.01)

CPC (source: EP KR)  
**A47L 5/22** (2013.01 - EP); **F04D 29/22** (2013.01 - KR)

Citation (search report)

- [A] US 4735555 A 19880405 - ERICKSON JR ROY O [US]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 010, no. 204 (M - 499) 17 July 1986 (1986-07-17)
- [Y] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 04 30 April 1999 (1999-04-30)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 03 31 March 1997 (1997-03-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 176 (M - 398) 20 July 1985 (1985-07-20)

Cited by  
US8998588B2

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

DOCDB simple family (publication)  
**EP 1329185 A2 20030723; EP 1329185 A3 20030820**; KR 100452359 B1 20041012; KR 20030062693 A 20030728

DOCDB simple family (application)  
**EP 02011833 A 20020528**; KR 20020003035 A 20020118