

Title (en)
Floor cleaning apparatus

Title (de)
Bodenreinigungsgerät

Title (fr)
Appareil pour nettoyer les sols

Publication
EP 1048261 A3 20020529 (DE)

Application
EP 00104218 A 20000301

Priority
DE 19919844 A 19990430

Abstract (en)
[origin: EP1048261A2] The shaft (7) has a flinger ring (16,17) pressed into position with a PTFE O-ring (18) in close relation to a sealing ring (in the opening (14) of the dividing wall (9) between the motor space (10) and bearing (15) and the turbine chamber (11).

IPC 1-7
A47L 11/30; **A47L 5/22**; **F04D 29/12**

IPC 8 full level
A47L 5/22 (2006.01); **A47L 11/30** (2006.01); **A47L 11/40** (2006.01); **F04D 29/12** (2006.01)

CPC (source: EP)
A47L 5/22 (2013.01); **A47L 11/30** (2013.01); **A47L 11/40** (2013.01); **F04D 29/106** (2013.01)

Citation (search report)
• [A] US 2726807 A 19551213 - LEWIS RUSSELL K
• [A] DE 4447195 C1 19960314 - KAERCHER GMBH & CO ALFRED [DE]
• [A] US 2635276 A 19530421 - NORRIS EDWARD O
• [A] "GLEITRINGDICHTUNGEN SYSTEM FOR FESTSTOFFFORDERNDE TAUCHMOTORPUMPEN", CHEMIETECHNIK, HUTHIG, HEIDELBERG, DE, vol. 23, no. 9, 1 September 1994 (1994-09-01), pages 74, XP000471411, ISSN: 0340-9961

Cited by
US11542986B1; CN1299010C; GB2539951A; EP1334685A3; WO02069774A1; US7101148B2; WO03029657A1

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 1048261 A2 20001102; **EP 1048261 A3 20020529**; DE 19919844 A1 20001102

DOCDB simple family (application)
EP 00104218 A 20000301; DE 19919844 A 19990430