

Title (en)
Helical gear vacuum pump

Title (de)
Schrägverzahnte Vakuumpumpe

Title (fr)
Pompe à vide à engrenages hélicoïdaux

Publication
EP 1130263 A3 20020724 (EN)

Application
EP 01301502 A 20010220

Priority
GB 0004263 A 20000223

Abstract (en)
[origin: EP1130263A2] A vacuum pump includes a pump body 20 in which is mounted two externally threaded rotors 7,8. The thread profile of each rotor is tapered in a substantially radial direction to facilitate the machining and fitting of the rotors 7,8 with the required close tolerances. <IMAGE>

IPC 1-7
F04C 18/16

IPC 8 full level
F04C 18/08 (2006.01); **F04C 18/16** (2006.01); **F04C 25/02** (2006.01)

CPC (source: EP US)
F04C 18/084 (2013.01 - EP US); **F04C 18/16** (2013.01 - EP US)

Citation (search report)

- [X] DE 594691 C 19340321 - AEG
- [X] GB 419338 A 19341109 - BRITISH THOMSON HOUSTON CO LTD
- [X] DE 29720541 U1 19990318 - SIHI IND CONSULT GMBH [DE]
- [X] GB 552562 A 19430414 - STOTHERT & PITT LTD, et al

Cited by
US7828535B2

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 1130263 A2 20010905; EP 1130263 A3 20020724; GB 0004263 D0 20000412; JP 2001304156 A 20011031; US 2001041145 A1 20011115

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EP 01301502 A 20010220; GB 0004263 A 20000223; JP 2001102099 A 20010223; US 79152501 A 20010222