

Title (en)
METHOD OF OPERATING A CLAW-TYPE VACUUM PUMP, AND A CLAW-TYPE VACUUM PUMP SUITABLE FOR CARRYING OUT THE METHOD.

Title (de)
VERFAHREN ZUM BETRIEB EINER KLAUENVAKUUMPUMPE UND FÜR DIE DURCHFÜHRUNG DIESES BETRIEBSVERFAHRENS GEEIGNETE KLAUENVAKUUMPUMPE.

Title (fr)
PROCEDE POUR L'UTILISATION D'UNE POMPE A VIDE A GRIFFES ET POMPE A VIDE A GRIFFES PROPRE A L'APPLICATION DE CE PROCEDE.

Publication
EP 0663045 A1 19950719 (DE)

Application
EP 93919226 A 19930831

Priority
• DE 4233142 A 19921002
• EP 9302349 W 19930831

Abstract (en)
[origin: DE4233142A1] The invention concerns a method of operating a claw-type vacuum pump (1) with two or more stages, each of which has a suction chamber (8, 9) with a pair of claw rotors (4, 5; 6, 7) and end-located suction and discharge ports (25, 27; 30, 31, 32). In order to avoid the possibility of liquids affecting the operation of the pump, the invention proposes that the pump (1) is operated without internal compression and that the gas emerging from at least one -- and preferably all -- stage(s) is cooled.

IPC 1-7
F04C 29/04; **F04C 23/00**; **F04C 18/12**

IPC 8 full level
F04C 25/02 (2006.01); **F04C 18/12** (2006.01); **F04C 23/00** (2006.01); **F04C 29/04** (2006.01)

CPC (source: EP US)
F04C 23/001 (2013.01 - EP US); **F04C 29/04** (2013.01 - EP US)

Citation (search report)
See references of WO 9408141A1

Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
DE 4233142 A1 19940407; DE 59306466 D1 19970619; EP 0663045 A1 19950719; EP 0663045 B1 19970514; JP H09502001 A 19970225; US 5660535 A 19970826; WO 9408141 A1 19940414

DOCDB simple family (application)
DE 4233142 A 19921002; DE 59306466 T 19930831; EP 9302349 W 19930831; EP 93919226 A 19930831; JP 50861994 A 19930831; US 69602396 A 19960809