

Title (en)  
CENTRIFUGAL COMPRESSOR WITH INCORPORATED GEARBOX

Title (de)  
KREISELVERDICHTER MIT INTEGRIERTEM GETRIEBE

Title (fr)  
COMPRESSEUR CENTRIFUGE A BOITE D'ENGRENAGE INCORPORE

Publication  
**EP 0868610 A1 19981007 (EN)**

Application  
**EP 96943405 A 19961220**

Priority

- RO 9600014 W 19961220
- RO 9502250 A 19951221

Abstract (en)  
[origin: WO9723731A1] The centrifugal compressor with incorporated gearbox is provided with some rotor assemblies (F), two or more, each representing global compression stage, driven by means of gearbox with bullgear (B), by some pinions (1) which transmit the rotation to rotor assemblies (F), by some couplings (2) double geared or slotted, the compressed gas flow which may be explosive is separate from oil flow and environment, by some bearing (3) of the rotor assembly and some bearing of the pinion (4), by some detachable housing (5); sealed with some O rings (b), for ensuring visibility and access to the housing (5); some access openings (a) were made in part (C), the possibility of a quick removal during a stop being ensured by some gear support lids (7), which should not necessarily be removable in this scope and which permit the removal due to some orifices (b), having a diameter (c) larger than a diameter (e) of the coupling (2), also ensured by some detachable lids (8) forming thus a unique detachable assembly (G), made of the pinion (1) and the coupling (2).

IPC 1-7  
**F04D 25/16**; **F04D 25/02**

IPC 8 full level  
**F04D 25/02** (2006.01); **F04D 25/16** (2006.01)

CPC (source: EP)  
**F04D 17/122** (2013.01); **F04D 25/02** (2013.01); **F04D 25/163** (2013.01); **F04D 29/054** (2013.01)

Citation (search report)  
See references of WO 9723731A1

Designated contracting state (EPC)  
DE FR GB IT SE

DOCDB simple family (publication)  
**WO 9723731 A1 19970703**; CA 2240512 A1 19970703; EP 0868610 A1 19981007; RO 111492 B1 20030829

DOCDB simple family (application)  
**RO 9600014 W 19961220**; CA 2240512 A 19961220; EP 96943405 A 19961220; RO 9502250 A 19951221