

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).

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F04D 25/02 (2006.01); **F04D 25/16** (2006.01)

CPC (source: EP)
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