

Title (en)  
ROTOR OF CENTRIFUGAL COMPRESSOR.

Title (de)  
LAUFRAD EINES KREISELVERDICHTERS.

Title (fr)  
ROTOR DE COMPRESSEUR CENTRIFUGE.

Publication  
**EP 0258440 A4 19890222 (DE)**

Application  
**EP 86905824 A 19860620**

Priority  
SU 4001923 A 19860117

Abstract (en)  
[origin: WO8704500A1] A rotor, comprising a main disk (1), working blades (2) and a covering disk (3) consisting of a plate (4) and a ring (5) connected to each other. The connection of the plate (4) and the ring (5) is detachable along conjugating surfaces (6 and 7), the surface (7) of the ring (5) being provided with an annular bead (8) and the surface (6) of the plate (4) with an annular groove (9) housing the bead (8). The internal diameter (Do?) of the plate (4) is smaller than the diameter (D) of the ring (5) along their conjugating surfaces (6 and 7) by  $1-1,5 \cdot 10^{-3} D$ .

IPC 1-7  
**F04D 29/28**

IPC 8 full level  
**F01D 5/02** (2006.01); **F01D 5/04** (2006.01); **F04D 17/08** (2006.01); **F04D 29/28** (2006.01)

CPC (source: EP US)  
**F01D 5/048** (2013.01 - EP US); **F04D 29/284** (2013.01 - EP US)

Citation (search report)

- [A] DE 906975 C 19540318 - LICENTIA GMBH
- [A] GB 580119 A 19460827 - AIR EQUIPEMENT
- See references of WO 8704500A1

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

DOCDB simple family (publication)  
**WO 8704500 A1 19870730**; CS 256204 B1 19880415; CS 673486 A1 19870813; DD 258839 A1 19880803; EP 0258440 A1 19880309; EP 0258440 A4 19890222; EP 0258440 B1 19910206; HU 199596 B 19900228; HU T46400 A 19881028; IN 164252 B 19890211; JP S63502199 A 19880825; PL 149741 B1 19900331; PL 261206 A1 19870921; RO 100173 B1 19920705; SU 1373883 A1 19880215; US 4795311 A 19890103; YU 111686 A 19891231

DOCDB simple family (application)  
**SU 8600060 W 19860620**; CS 673486 A 19860918; DD 29166786 A 19860625; EP 86905824 A 19860620; HU 477286 A 19860620; IN 553CA1986 A 19860722; JP 50535586 A 19860620; PL 26120686 A 19860828; RO 12967787 A 19870909; SU 4001923 A 19860117; US 13478787 A 19870901; YU 111686 A 19860625