

Title (en)
DISK FRICTION ASSEMBLY, IN PARTICULAR FOR HEAVY TRUCK

Title (de)
REIBSCHEIBENEINHEIT, INSBESONDERE FÜR LASTKRAFTWAGEN

Title (fr)
ENSEMBLE DE FRICTION A DISQUES, NOTAMMENT POUR POIDS LOURD

Publication
EP 0985102 A1 20000315 (FR)

Application
EP 98929497 A 19980605

Priority

- FR 9801146 W 19980605
- FR 9706959 A 19970605

Abstract (en)
[origin: FR2764352A1] A rotor disk (20) is arranged between two stator disks (30, 40; 130, 140), the disks being made in thermostructural composite material at least for the wear parts. A first supporting structure (50, 150) has a bell shape with a bottom part (52) whereon rests the first stator disk (30, 130) and part of the skirt (70, 170) linked to the bottom part (52) and encloses the disks (20, 30, 40), the bell-shaped structure having cooling means (170, 174) for evacuating the heat generated by the mutual friction of the disks. A second supporting structure (80, 180) has a part in the shape of an annular support plate whereon rests the second stator disk (40, 140); and the bell-shaped structure bottom part (52) and the support plate (80, 180) are provided with cotters (60) or radial ribs (84) co-operating with the corresponding radial housings (36) formed in the outer surfaces (33, 44) of the stator disks (30, 40; 130, 140) to block the latter in rotation relative to the supporting structures (50, 150; 80, 180).

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IPC 8 full level
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