

Title (en)  
ROTOR FOR A TURBOMACHINE

Title (de)  
ROTOR FÜR EINE TURBOMASCHINE

Title (fr)  
ROTOR POUR TURBOMACHINE

Publication  
**EP 1092081 A1 20010418 (DE)**

Application  
**EP 99939943 A 19990624**

Priority  
• DE 9901840 W 19990624  
• DE 19828817 A 19980627

Abstract (en)  
[origin: DE19828817A1] A first flange (9,10) to one side of the disk (4) is bolted (14) to a second flange (17) on an adjoining disk (5,6), the first flange being axially spaced (A) inwards relative the disk (4) side (7,8). This first flange comes in ring form having peripheral slots which are equi-spaced and open inwards, and the ring (9,10) is holed between the slots. The second flange (17) on disk (5,6) is itself holed (24) in line with the slots in the first flange and a flange sector (20) of an intermediate stage seal is clamped in between first and second flanges and similarly holed to line up with the specified first flange slots, using these interposed holes to locate the connecting bolts (14). The bolts terminate at right angles adjoining the disk (4), thus giving a transverse sector (13), with the bolts in Tee-form. The axial spacing (A) should exceed the thickness of the transverse sector (13). Flange (17) has an axial thrust sector (18) for the bolt sectors (13).

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**F01D 5/06**

IPC 8 full level  
**F01D 5/06** (2006.01)

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**DE 19828817 A1 19991230; DE 19828817 C2 20000713**; CA 2335964 A1 20000106; DE 59906444 D1 20030904; EP 1092081 A1 20010418; EP 1092081 B1 20030730; JP 2002519564 A 20020702; US 6499957 B1 20021231; WO 0000719 A1 20000106

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