

Title (en)  
SCROLL-TYPE DISPLACEMENT MACHINE

Publication  
**EP 0284774 B1 19910109 (DE)**

Application  
**EP 88102699 A 19880224**

Priority  
CH 110887 A 19870324

Abstract (en)  
[origin: US4861244A] In a displacement machine for compressible media on the spiral principle, the rotor disk (2) terminates radially flush with the displacement strips (3, 3'). So that the disk (2) can pass through the housing, in the inlet region (12, 12') of the machine the inner web (18, 18') of one housing half (7) is lowered by the amount of the disk thickness. To prevent leaks during the operation of the machine, the transition (19, 19') between the raised web (17, 17') and the lowered web (18, 18') is made circular. The rounding cooperates with a clearance (20, 20') in the form of an arc of a circle in the disk (2). Machines of this type are especially suitable for the supercharging of internal-combustion engines.

IPC 1-7  
**F01C 1/02**

IPC 8 full level  
**B65G 33/26** (2006.01); **F01C 1/02** (2006.01); **F04C 18/02** (2006.01)

CPC (source: EP US)  
**F01C 1/0276** (2013.01 - EP US)

Cited by  
AU682641B2; EP0547491A1; EP0545188A1; DE102007043674B4; DE102007043674A1; US8425211B2; WO2009023974A1

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