

Title (en)  
ROTARY POSITIVE-DISPLACEMENT MACHINES

Title (de)  
UMLAUFENDE VERDRÄNGUNGSMASCHINE

Title (fr)  
MACHINES VOLUMETRIQUES ROTATIVES

Publication  
**EP 1036253 A1 20000920 (EN)**

Application  
**EP 98962544 A 19981203**

Priority  

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Abstract (en)  
[origin: WO9930005A1] A rotary positive-displacement machine which may be operatively connected to an internal combustion engine to act as a turbo-charger or super-charger and including an outer casing (11) within which is located a rotor comprising inner and outer drums (24, 9) rotatable together in the casing about offset axes (23, 19) with angularly spaced flexible vanes (30) between the two opposed drum surfaces serving to define compartments (32) between the drums whose volume changes cyclically as the rotor rotates owing to the offset axes, there being gas inlet and outlet ports (40, 73, 76) and communicating with the compartments and positioned so that gases may flow adequately through the compartments between the inlet and outlet ports which are positioned at mutually remote locations to ensure adequate mixing of gases within and scavenging of the compartments.

IPC 1-7  
**F01C 1/39**

IPC 8 full level  
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