

Title (en)  
COMPRESSOR AGGREGATE

Publication  
**EP 0069859 B1 19851113 (DE)**

Application  
**EP 82104890 A 19820603**

Priority  
DE 3123631 A 19810615

Abstract (en)  
[origin: US4436490A] A compressor and its external-rotor drive motor are arranged on a common stationary shaft in a unitary housing. On the end of the stationary shaft which is away from the compressor, a friction pump is mounted for pumping lubricant from a supply in the unit housing into an axial canal drilled in the stationary shaft. The impeller of the friction pump consists of a hollow cylinder which is coupled to the external rotor. The hollow cylinder is received in a pump housing which has an annular space between an inner and an outer housing part into which the hollow cylinder extends, forming an inner and an outer gap. The two gaps are in communication with each other and each contains at least one constriction which forces oil carried by rotation of the hollow cylinder past openings in the inner housing into the axial canal.

IPC 1-7  
**F04D 11/00**; **F16N 13/20**; **F04B 39/02**; **F04B 27/06**

IPC 8 full level  
**F04B 27/06** (2006.01); **F04B 39/02** (2006.01); **F04D 11/00** (2006.01); **F16N 13/20** (2006.01)

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