

Title (en)  
ARRANGEMENT FOR CONVEYING FLUIDS

Title (de)  
ANORDNUNG ZUR FÖRDERUNG VON FLUIDEN

Title (fr)  
DISPOSITIF DE TRANSPORT DE FLUIDES

Publication  
**EP 1716338 B1 20070711 (DE)**

Application  
**EP 05797198 A 20050930**

Priority  
• EP 2005010565 W 20050930  
• DE 202004018753 U 20041123

Abstract (en)  
[origin: WO2006056262A1] Disclosed is an arrangement for conveying fluids, comprising a fluid pump (174) with a rotatably mounted impeller (172) that is connected to a first permanent magnet (186). Said arrangement further comprises an electronically commutated inner rotor motor (152) with a stator (154) and a rotor (156) as well as a shaft (160) that is assigned to the rotor (156) and is rotatably mounted relative to the stator (154). The inventive arrangement also comprises a second permanent magnet (184) which is connected to the rotor (156) in a torsion-proof manner and cooperates with the first permanent magnet (186) like a magnetic clutch, and a split pot (170, 180, 188) that fluid-tightly separates the first permanent magnet (186) located within said split pot from the second permanent magnet (184) located outside the split pot. One of the bearings (164) of the rotor (156) shaft is disposed outside on the split pot. A support system (204) for another bearing (162) of said shaft (160) is joined to the stator (154). A fan wheel (218) is connected in a torsion-proof fashion to a final area (214) of the shaft (160) that faces away from the split pot.

IPC 8 full level  
**F04D 13/02** (2006.01); **F04D 13/12** (2006.01); **F04D 25/16** (2006.01); **F04D 29/58** (2006.01)

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Cited by  
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