

Title (en)  
Spinning pump.

Title (de)  
Spinnpumpe.

Title (fr)  
Pompe de filage.

Publication  
**EP 0447766 B1 19931215 (DE)**

Application  
**EP 91101242 A 19910131**

Priority  
DE 4007858 A 19900313

Abstract (en)  
[origin: DE4007858C1] The spinning pump is connected to a spinning pump block by symmetrically positioned fastening screws. The screws penetrate through bores in the adaptor part provided for the drive shaft. The adaptor part features a groove, which is located on the plane containing the contact points of the base plate of the pump and the connecting face of the pump block. The groove depth is at least so big that the bores in the adaptor part lie within the groove area. The maximum groove depth is such that the projection of the groove base encompasses the radial cross sections of the inlet and outlet ducts on the plane on which the contact points of the base plate and the connecting face of the pump block are located.

IPC 1-7  
**F04C 2/08**; **F04C 11/00**

IPC 8 full level  
**D01D 1/06** (2006.01); **F04C 2/08** (2006.01); **F04C 11/00** (2006.01)

CPC (source: EP US)  
**F04C 2/086** (2013.01 - EP US)

Cited by  
US5618172A; CN1062645C; US8454025B2; US7494130B2; WO0194787A1; WO9522002A1; US7775528B2; US7891670B2; US8919782B2; US8925927B2; US8376369B2

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0447766 A2 19910925**; **EP 0447766 A3 19920304**; **EP 0447766 B1 19931215**; AT E98747 T1 19940115; BR 9100920 A 19911105; CN 1019593 B 19921223; CN 1055043 A 19911002; DE 4007858 C1 19910814; DE 59100705 D1 19940127; DK 0447766 T3 19940124; ES 2047348 T3 19940216; JP 2876350 B2 19990331; JP H0610207 A 19940118; RU 2013661 C1 19940530; US 5118267 A 19920602

DOCDB simple family (application)  
**EP 91101242 A 19910131**; AT 91101242 T 19910131; BR 9100920 A 19910307; CN 91101485 A 19910312; DE 4007858 A 19900313; DE 59100705 T 19910131; DK 91101242 T 19910131; ES 91101242 T 19910131; JP 7036791 A 19910312; SU 4894758 A 19910312; US 66436791 A 19910304