

Title (en)
Moineau pump

Title (de)
Exzentrerschneckenpumpe

Title (fr)
Pompe Moineau

Publication
EP 0947700 A1 19991006 (DE)

Application
EP 99103358 A 19990220

Priority
DE 19813999 A 19980328

Abstract (en)
The new form of mono pump (1) has a stator (2) containing a rotor (3) mounted on bearings. The rotor is connected to a moulded coupling rod (5). This is contained by the suction casing (4) connected to the stator. The rod joins a connecting shaft (8) in the suction casing, which leads to the drive shaft connection, through the sealed casing (6). The rotor, coupling rod and connecting shaft are made as an integral, one-piece component in thermoplastic material. Preferably, a glass fibre-reinforced plastics material is used, especially polyamide 66 (RTM) or polytetrafluoroethylene, optionally with graphite filling.

Abstract (de)
Es handelt sich um eine Exzentrerschneckenpumpe mit einem Exzentrerschneckenrotor, einer Kupplungsstange und einer Verbindungswelle, die zu einem Pumpenantrieb bzw. zu einer Antriebswelle führt. Der Exzentrerschneckenrotor, die Kupplungsstange und die Verbindungswelle sind als einteiliges Bauteil aus Kunststoff ausgeführt. <IMAGE>

IPC 1-7
F04C 2/107

IPC 8 full level
F04C 2/107 (2006.01)

CPC (source: EP US)
F04C 2/1071 (2013.01 - EP US); **F05C 2225/08** (2013.01 - EP US)

Citation (search report)

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US 6155807 A 20001205; AT E258651 T1 20040215; CA 2264361 A1 19990928; CN 1162622 C 20040818; CN 1233714 A 19991103; DE 19813999 C1 19991125; DE 59908390 D1 20040304; EP 0947700 A1 19991006; EP 0947700 B1 20040128; JP H11311187 A 19991109

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