

Title (en)  
UNIAXIAL ECCENTRIC SCREW PUMP

Title (de)  
EINACHSIGE EXZENTERSCHNECKENPUMPE

Title (fr)  
POMPE À VIS EXCENTRÉE UNIAXIALE

Publication  
**EP 1921318 A1 20080514 (EN)**

Application  
**EP 06713612 A 20060213**

Priority  
• JP 2006302470 W 20060213  
• JP 2005234257 A 20050812

Abstract (en)  
A double/triple-thread single-shaft eccentric screw pump is provided. The rotor of the pump overhangs little in comparison with the flange type connecting structure. The whole length of the pump is short, and the pump casing of the pump is short and small in diameter, so that the pump is small in size and light in weight. One end 61 of a flexible rod 6 is tapered and has a tapped hole 62 formed at its axis. One end of the rotor 21 has a tapered bore 21b formed at its axis, into which the tapered end 61 of the flexible rod 6 is fitted. The rotor 6 has a through bore 21a formed at its axis, through which a tension bolt 7 extends from the other end of the rotor 21. The tension bolt 7 has a front threaded end 71, which is screwed into and fastened to the tapped hole 62 of the flexible rod 6.

IPC 8 full level  
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CPC (source: EP US)  
**F04C 2/1073** (2013.01 - EP US); **F04C 15/0065** (2013.01 - EP US); **F04C 15/0073** (2013.01 - EP US)

Citation (search report)  
See references of WO 2007020722A1

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