

Title (en)  
ELECTRIC PUMP UNIT

Title (de)  
ELEKTROPUMPENEINHEIT

Title (fr)  
UNITÉ DE POMPE ÉLECTRIQUE

Publication  
**EP 2476904 A1 20120718 (EN)**

Application  
**EP 10815443 A 20100910**

Priority  
• JP 2009209992 A 20090911  
• JP 2010065611 W 20100910

Abstract (en)  
An electric pump unit that may be compactified and that may be reduced in weight and cost is provided. An electric pump unit is configured such that a pump chamber (9) having an oil suction port (18) and an oil discharge port (19) is formed on an inner side of a motor stator (5) that is fixedly provided on an inner periphery of a synthetic resin unit housing (1) and only part of an inner peripheral side of which is exposed to an inside of the unit housing (1), a pump outer rotor (10) is arranged on an inner side of the motor stator (5) in the pump chamber (9) so as to be able to rotate using an inner periphery of the motor stator (5) as a guide, a pump inner rotor (11) that is supported for rotation by the unit housing (1) is arranged on an inner side of the pump outer rotor (10), and a motor rotor (14) is formed such that a permanent magnet (13) is held by a synthetic resin permanent magnet holding portion (15) that is provided by integral molding on an outer periphery of the pump outer rotor (10).

IPC 8 full level  
**F04C 15/00** (2006.01); **F04C 2/08** (2006.01); **F04C 2/10** (2006.01); **F04C 11/00** (2006.01)

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**F04C 2240/30** (2013.01 - EP US); **F04C 2240/40** (2013.01 - EP US)

Cited by  
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