

Title (en)

MOTOR ROTOR FOR WATER PUMP, WATER PUMP, AND POOL CIRCULATION SYSTEM

Title (de)

MOTORROTOR FÜR WASSERPUMPE, WASSERPUMPE UND POOLZIRKULATIONSSYSTEM

Title (fr)

ROTOR DE MOTEUR POUR POMPE À EAU, POMPE À EAU ET SYSTÈME DE CIRCULATION DE PISCINE

Publication

**EP 3670922 A1 20200624 (EN)**

Application

**EP 19215692 A 20191212**

Priority

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- CN 201921231450 U 20190801

Abstract (en)

A motor rotor for a water pump, a water pump, and a pool circulation system are provided. The motor rotor comprises a hollow rotatable shaft having a first injection-molded part, and a magnet disposed circumferentially around a portion of the first injection-molded part. The first injection-molded part extends through an entire axial length of the magnet. The motor rotor also comprises an impeller integrally formed with the first injection-molded part, the impeller being located at an axial end of the hollow rotatable shaft. The motor rotor further comprises a shaft sleeve having a tubular shape located in the hollow rotatable shaft and extending substantially the entire axial length of the hollow rotatable shaft. The water pump has a simple structure, is easy to assemble, is less prone to generating noise during operation, and has a long service life.

IPC 8 full level

**F04D 29/043** (2006.01); **F04D 13/06** (2006.01); **F04D 29/20** (2006.01)

CPC (source: EP)

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Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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