Title (en)

ELECTROMAGNETIC CIRCULATION PUMP

Title (de)

ELEKTROMAGNETISCHE UMWÄLZPUMPE

Title (fr)

POMPE DE CIRCULATION ÉLECTROMAGNÉTIQUE

Publication

EP 2888482 A2 20150701 (EN)

Application

EP 13759938 A 20130827

Priority

- US 201261693497 P 20120827
- US 2013056858 W 20130827

Abstract (en)

[origin: WO2014036006A2] A fluid pump assembly is used in combination with a container having a wall. The pump assembly comprises a first casing disposed outside the container, a first magnetic assembly including a stationary magnetic drive member non-rotatably mounted to the first casing, a second casing disposed inside the container, and a rotatable second magnetic assembly mounted to the second casing and including a rotatable magnetic driven member drivingly coupled to a fluid motion imparting device. The magnetic drive member comprises electromagnets non-rotatably mounted within the first casing so that the electromagnets are provided to be energized in succession to create a rotating magnetic field for continuously rotating the rotatable magnetic driven member. The second casing is detachably securable to the wall solely by the magnetic attraction force between the magnetic drive member and the magnetic driven member.

IPC 8 full level

F04D 13/06 (2006.01); **A01K 63/04** (2006.01); **F04D 13/02** (2006.01); **F04D 25/02** (2006.01); **F04D 29/62** (2006.01); **H02K 5/128** (2006.01); **H02K 49/10** (2006.01)

CPC (source: EP US)

A01K 63/047 (2013.01 - EP US); **F04D 13/027** (2013.01 - US); **F04D 13/0666** (2013.01 - EP US); **F04D 29/628** (2013.01 - EP US); **H02K 5/1282** (2013.01 - EP US); **H02K 11/33** (2016.01 - EP US)

Citation (search report)

See references of WO 2014036006A2

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Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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