

Title (en)

Wear resistant port plate for a fluid transfer device

Title (de)

Verschleissfeste Ventilplatte für Fluidtransfervorrichtung

Title (fr)

Plaque de soupapes résistant à l'usure pour un dispositif de transfert de fluide

Publication

EP 1748187 A2 20070131 (EN)

Application

EP 06117743 A 20060724

Priority

US 18865105 A 20050726

Abstract (en)

In a fluid transfer device (10) that includes a housing (12), a rotor (16) rotatably mounted in the housing (12) and having a bore (24) and at least one piston (30) slidably mounted in the bore (24), a port plate (42) that includes a body portion (44) mountable in the housing (12) and formed from a first material and a wear layer (56) formed of a second material, different from the first material, attached to the body portion (44) and adapted to contact the rotor (16). Also a fluid transfer device (10) including such a port plate (42).

IPC 8 full level

F03C 1/06 (2006.01); **F04B 1/20** (2006.01)

CPC (source: EP US)

F04B 1/2021 (2013.01 - EP US); **F04B 1/2042** (2013.01 - EP US); **F05C 2201/0409** (2013.01 - EP US); **F05C 2201/0421** (2013.01 - EP US); **F05C 2201/0466** (2013.01 - EP US); **F05C 2203/08** (2013.01 - EP US); **F05C 2203/0817** (2013.01 - EP US); **F05C 2203/0826** (2013.01 - EP US)

Cited by

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DE FR GB

Designated extension state (EPC)

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EP 1748187 A2 20070131; **EP 1748187 A3 20071010**; US 2007022873 A1 20070201

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