Title (en)

REACTION DRIVE ENERGY TRANSFER DEVICE

Title (de)

VORRICHTUNG ZUR ÜBERTRAGUNG VON REAKTIONSANTRIEBSENERGIE

Title (fr)

DISPOSITIF DE TRANSFERT D'ENERGIE D'ENTRAINEMENT REACTIONNEL

Publication

EP 1834092 A2 20070919 (EN)

Application

EP 05855166 A 20051222

Priority

- US 2005046557 W 20051222
- US 63819504 P 20041223

Abstract (en)

[origin: WO2006071719A2] A fluid energy transfer device, including a chamber for receiving a fluid, at least a portion of the chamber comprising a movable portion relative to another portion of the chamber, the movable portion being adapted to change the volume of the chamber from a first volume to a second volume by movement of the movable portion. The device further includes a bender actuator attached to the movable portion, wherein the bender actuator is at least one of (i) connected directly to the movable portion and (ii) linked to the movable portion, to form a bender-movable portion assembly, wherein the bender is effectively not connected and effectively not linked to any other component of the device other than the movable portion, and wherein the bender-movable portion assembly is adapted to move substantially only due to oscillation of the bender at a drive frequency.

IPC 8 full level

F04B 17/00 (2006.01)

CPC (source: EP US)

F04B 43/0054 (2013.01 - EP US); **F04B 43/04** (2013.01 - EP US); **F04B 45/04** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

WO 2006071719 A2 20060706; **WO 2006071719 A3 20070614**; **WO 2006071719 B1 20070802**; BR PI0516425 A 20080902; CA 2592189 A1 20060706; CN 101115924 A 20080130; EP 1834092 A2 20070919; JP 2008525709 A 20080717; US 2008304979 A1 20081211

DOCDB simple family (application)

US 2005046557 W 20051222; BR PI0516425 A 20051222; CA 2592189 A 20051222; CN 200580047910 A 20051222; EP 05855166 A 20051222; JP 2007548466 A 20051222; US 79344105 A 20051222