

Title (en)

ACTUATOR WITH HYBRID ACTUATION FOR A FORCE FEEDBACK INTERFACE

Title (de)

AKTUATOR MIT HYBRIDANTRIEB FÜR EINE KRAFTRÜCKKOPPLUNGSSCHNITTSTELLE

Title (fr)

ACTIONNEUR A ACTIONNEMENT HYBRIDE POUR INTERFACE A RETOUR DE FORCES

Publication

**EP 2864851 A1 20150429 (FR)**

Application

**EP 13730866 A 20130618**

Priority

- FR 1255783 A 20120620
- EP 2013062655 W 20130618

Abstract (en)

[origin: WO2013189946A1] An actuator for a force feedback interface comprising a shaft constrained to rotate with an interacting member of said interface, an electric motor rotating the shaft (3) in a clockwise direction and in an anti-clockwise direction, a first free-wheel device (4) mounted on the shaft (3) and a first braking system (8) capable of braking the rotation of the shaft (3) via the free-wheel device (8), a second free-wheel device (6) mounted on the shaft (3) opposite the first free-wheel device (4), a second braking system (10) capable of braking the rotation of the shaft (3) via the second free-wheel device (6) in a direction opposite that of the first braking system (8). The motor can apply an active load to the shaft (3) in the opposite direction to that of the braking force.

IPC 8 full level

**G06F 3/01** (2006.01); **F16D 41/00** (2006.01)

CPC (source: EP US)

**F16D 41/00** (2013.01 - US); **F16D 67/06** (2013.01 - EP US); **G05G 5/03** (2013.01 - EP US); **G06F 3/016** (2013.01 - EP US); **F16D 41/064** (2013.01 - EP); **F16D 2121/28** (2013.01 - EP US)

Citation (search report)

See references of WO 2013189946A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**FR 2992438 A1 20131227**; **FR 2992438 B1 20150515**; EP 2864851 A1 20150429; US 2015301553 A1 20151022; WO 2013189946 A1 20131227

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