

Title (en)
HYDRAULIC CATAPULT DRIVE

Title (de)
HYDRAULISCHER KATAPULTANTRIEB

Title (fr)
ENTRAINEMENT HYDRAULIQUE DE CATAPULTE

Publication
EP 1877669 B1 20120418 (DE)

Application
EP 06722537 A 20060227

Priority
• DE 2006000366 W 20060227
• DE 102005020187 A 20050428
• DE 102006002921 A 20060120

Abstract (en)
[origin: US2009100829A1] The invention relates to a catapult drive for an object to be accelerated, preferably the car of a fairground ride, wherein the object is accelerated by means of a driving element. The movement of the driving element is produced by a flexible drive and a hydraulic cylinder via which all movements of the driving element can be controlled. The invention also relates to a control system for suitably controlling the inventive catapult drive.

IPC 8 full level
F15B 11/042 (2006.01); **F15B 11/044** (2006.01)

CPC (source: EP US)
A63G 7/00 (2013.01 - EP US); **F15B 11/042** (2013.01 - EP US); **F15B 11/044** (2013.01 - EP US); **F15B 2211/20546** (2013.01 - EP US); **F15B 2211/212** (2013.01 - EP US); **F15B 2211/30515** (2013.01 - EP US); **F15B 2211/30525** (2013.01 - EP US); **F15B 2211/50536** (2013.01 - EP US); **F15B 2211/50581** (2013.01 - EP US); **F15B 2211/5151** (2013.01 - EP US); **F15B 2211/55** (2013.01 - EP US); **F15B 2211/625** (2013.01 - EP US); **F15B 2211/6313** (2013.01 - EP US); **F15B 2211/6336** (2013.01 - EP US); **F15B 2211/7054** (2013.01 - EP US); **F15B 2211/755** (2013.01 - EP US)

Cited by
CN101920785A; CN106956903A

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

DOCDB simple family (publication)
US 2009100829 A1 20090423; US 8028521 B2 20111004; AT E554292 T1 20120515; CN 101166905 A 20080423; CN 101166905 B 20120201; DE 102006002921 A1 20061102; EP 1877669 A1 20080116; EP 1877669 B1 20120418; WO 2006114070 A1 20061102

DOCDB simple family (application)
US 91285006 A 20060227; AT 06722537 T 20060227; CN 200680014560 A 20060227; DE 102006002921 A 20060120; DE 2006000366 W 20060227; EP 06722537 A 20060227