

Title (en)
Drive for a Ferris wheel

Title (de)
Antrieb für Riesenrad

Title (fr)
Entraînement pour grande roue

Publication
EP 1790402 A1 20070530 (DE)

Application
EP 06450162 A 20061113

Priority
AT 19062005 A 20051124

Abstract (en)
The ride has cabins (2) for persons circulating on a positionally fixed supporting structure (1). A rope drive (5) is connected to move the cabins about the supporting structure, where the rope drive includes a single closed-loop conveying rope. A deflecting device is disposed to fold the single closed-loop conveying rope into two rope loops engaging with the cabins. The cabins are connected with the conveying rope by way of a frictionally locking connection, where interconnectors connect the cabins to one another with a fixed spacing.

IPC 8 full level
A63G 21/20 (2006.01); **A63G 27/00** (2006.01)

CPC (source: EP KR US)
A63G 21/20 (2013.01 - EP US); **A63G 23/00** (2013.01 - KR); **A63G 27/00** (2013.01 - EP US); **A63G 29/00** (2013.01 - KR)

Citation (search report)

- [X] US 4674602 A 19870623 - SMITH WAYNE D [US], et al
- [DX] EP 1459789 A1 20040922 - RONALD BUSSINK AMUSEMENT DES [DE]
- [X] US 3226113 A 19651228 - MERCER CHARLES H, et al
- [X] US 1773636 A 19300819 - ALBERT SPILLMAN
- [X] US 2004077415 A1 20040422 - KLEIMEYER MARK [US]

Cited by
EP2248565A1; DE202016104577U1; WO2010127830A1; US8216077B2; WO2020112407A3

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)
EP 1790402 A1 20070530; EP 1790402 B1 20080813; AT 502840 A1 20070615; AT 502840 B1 20070815; AT E404264 T1 20080815; AU 2006241340 A1 20070607; BR PI0604820 A 20070904; CA 2568466 A1 20070524; CN 1970125 A 20070530; DE 502006001319 D1 20080925; DK 1790402 T3 20090105; ES 2310901 T3 20090116; JP 2007144164 A 20070614; KR 20070055341 A 20070530; NO 20065428 L 20070525; NZ 551216 A 20080328; PL 1790402 T3 20090130; RU 2006141458 A 20080527; RU 2403078 C2 20101110; SG 132650 A1 20070628; US 2007113753 A1 20070524; ZA 200609822 B 20081029

DOCDB simple family (application)
EP 06450162 A 20061113; AT 06450162 T 20061113; AT 19062005 A 20051124; AU 2006241340 A 20061123; BR PI0604820 A 20061121; CA 2568466 A 20061121; CN 200610162499 A 20061124; DE 502006001319 T 20061113; DK 06450162 T 20061113; ES 06450162 T 20061113; JP 2006314068 A 20061121; KR 20060113250 A 20061116; NO 20065428 A 20061124; NZ 55121606 A 20061110; PL 06450162 T 20061113; RU 2006141458 A 20061123; SG 2006082408 A 20061124; US 60361306 A 20061122; ZA 200609822 A 20061124