

Title (en)  
SECOND-GENERATION BINARY TRACK SAFETY TRAVERSE SYSTEM

Title (de)  
BINÄRER SICHERHEITSÜBERQUERUNGSSYSTEM DER ZWEITEN GENERATION FÜR SCHIENEN

Title (fr)  
SYSTÈME DE TRAVERSÉE DE SÉCURITÉ DE VOIE BINAIRE DE DEUXIÈME GÉNÉRATION

Publication  
**EP 3472017 A4 20200226 (EN)**

Application  
**EP 16904855 A 20160617**

Priority  
CA 2016050714 W 20160617

Abstract (en)  
[origin: WO2017214699A1] Disclosed is a vehicle (58) for supporting harnessed riders on a gravity binary track system, and composed of a central element (79) carrying lower rollers (108, 110) to contact a lower line; an upper element (78) hinged to the central element and forming an upper cavity through which a rope can run, and carrying upper rollers (104, 106) located to contact an upper line, the upper cavity having a generally horizontal slot extending to the outside for passing through a continuous belay; and a lower element (80) hinged to the central element and forming a lower cavity through which a rope can run, the lower cavity having a generally horizontal slot extending to the outside for passing through a continuous belay.

IPC 8 full level  
**B61B 7/00** (2006.01); **A62B 1/08** (2006.01); **A62B 35/00** (2006.01); **B61B 12/00** (2006.01)

CPC (source: EP)  
**A62B 1/08** (2013.01); **A62B 35/005** (2013.01); **A62B 35/0056** (2013.01); **A62B 35/0087** (2013.01); **B61B 7/00** (2013.01)

Citation (search report)

- [A] US 2014311376 A1 20141023 - BRANNAN KENTON MICHAEL [US]
- [A] US 7966941 B1 20110628 - BRANNAN KENTON MICHAEL [US]
- [A] CN 203592983 U 20140514 - PAN DONGHAO
- [A] CN 201139880 Y 20081029 - QI TANG [CN]
- See references of WO 2017214699A1

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

DOCDB simple family (publication)  
**WO 2017214699 A1 20171221**; CA 3027278 A1 20171221; CA 3027278 C 20231205; CN 109476324 A 20190315; EP 3472017 A1 20190424; EP 3472017 A4 20200226; EP 3472017 B1 20220302; ES 2912180 T3 20220524; MX 2018015773 A 20190422; PT 3472017 T 20220504; SI 3472017 T1 20220630

DOCDB simple family (application)  
**CA 2016050714 W 20160617**; CA 3027278 A 20160617; CN 201680087664 A 20160617; EP 16904855 A 20160617; ES 16904855 T 20160617; MX 2018015773 A 20160617; PT 16904855 T 20160617; SI 201631533 T 20160617