

Title (en)
TERREPLANE TRANSPORTATION SYSTEM

Title (de)
ERDFLUGZEUGTRANSPORTSYSTEM

Title (fr)
SYSTÈME DE TRANSPORT TERREPLANE

Publication
EP 3240716 A4 20190102 (EN)

Application
EP 15876135 A 20151229

Priority

- US 201462097921 P 20141230
- US 201562116857 P 20150216
- US 201562129261 P 20150306
- US 201562158569 P 20150508
- US 201562189257 P 20150707
- US 201562205710 P 20150815
- US 201562206358 P 20150818
- US 2015067799 W 20151229

Abstract (en)
[origin: WO2016109490A2] The Terreplane Transport System is a ground-based transportation comprised of flying vehicles pulled by a propulsion line. An important design feature of the most preferred system is that the propulsion line only experiences longitudinal forces during flight making low-cost propulsion lines possible. A propulsion carriage engages the propulsion line to create acceleration. A connection arm connects the vehicle to the propulsion carriage whereby the cumulative interaction includes the ability to convert impacting and overflowing air into lift complete with control to provided controlled flight based on the longitudinal force conveyed from the propulsion line to the propulsion carriage. The preferred method of conveying the longitudinal force is through linear motors utilizing novel longitudinally asymmetric coils.

IPC 8 full level
B61B 3/00 (2006.01); **B61B 3/02** (2006.01); **B61B 13/08** (2006.01); **B61C 13/04** (2006.01); **B64C 39/02** (2006.01); **G05D 1/00** (2006.01)

CPC (source: EP US)
B61B 3/00 (2013.01 - EP US); **B61B 13/08** (2013.01 - EP US); **B61B 13/12** (2013.01 - EP); **B64C 39/022** (2013.01 - EP US); **Y02T 30/00** (2013.01 - US)

Citation (search report)

- [A] US 3774542 A 19731127 - WALSH R
- [A] WO 2011008604 A1 20110120 - TIMPERMAN EUGENE L [US]
- [A] DE 1530019 A1 19700820 - VER FLUGTECHNISCHE WERKE
- [A] FR 2091929 A1 19710121 - BERTIN & CIE
- [A] US 3444823 A 19690520 - AKMENTIN CYRIL

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 2016109490 A2 20160707; WO 2016109490 A3 20160825; WO 2016109490 A8 20171207; AU 2015374229 A1 20170803; AU 2015374229 A8 20171221; AU 2015374229 B2 20190606; BR 112017010969 A2 20180214; CA 2972581 A1 20160707; CN 107531253 A 20180102; CN 107531253 B 20191126; EP 3240716 A2 20171108; EP 3240716 A4 20190102; IL 252938 A0 20170831; JP 2018502009 A 20180125; MX 2017007835 A 20180221; PE 20171436 A1 20170929; RU 2017123094 A 20190131; RU 2017123094 A3 20190830; ZA 201704996 B 20190626

DOCDB simple family (application)
US 2015067799 W 20151229; AU 2015374229 A 20151229; BR 112017010969 A 20151229; CA 2972581 A 20151229; CN 201580070173 A 20151229; EP 15876135 A 20151229; IL 25293817 A 20170615; JP 2017535700 A 20151229; MX 2017007835 A 20151229; PE 2017001157 A 20151229; RU 2017123094 A 20151229; ZA 201704996 A 20170721