

Title (en)  
TO-AND-FRO AERIAL LIFT SYSTEM COMPRISING MULTIPLE SEGMENTS

Title (de)  
HIN- UND HERGEHENDE ARBEITSHEBEBÜHNE MIT MEHREREN SEGMENTEN

Title (fr)  
TÉLÉPORTEUR AÉRIEN À VA-ET-VIENT ET À TRONÇONS MULTIPLES

Publication  
**EP 2691278 A1 20140205 (FR)**

Application  
**EP 12717343 A 20120330**

Priority  
• FR 1100940 A 20110330  
• FR 2012000122 W 20120330

Abstract (en)  
[origin: WO2012131197A1] The invention relates to a to-and-fro aerial lift system comprising two carrying-hauling ropes (11, 12) extending in two individual closed loops between two end stations (A, B) separated from one another by an intermediate station ST which is provided with a double pulley (16). The double pulley is provided with two grooves having different groove-bottom diameters (D1, D2), such that the ratio of the diameters (D1/D2) is equal to the ratio (L1/L2) of the axial distance (L1) between the first end pulley (14) and the double pulley (16) and the axial distance (L2) between the second end pulley (15) and the double pulley (16). The speeds (v1) and (v2) of the vehicles (13a, 13b) are also different in the two loops.

IPC 8 full level  
**B61B 7/04** (2006.01); **B61B 12/10** (2006.01)

CPC (source: EP US)  
**B61B 7/04** (2013.01 - EP US); **B61B 12/026** (2013.01 - EP US); **B61B 12/10** (2013.01 - EP US)

Citation (search report)  
See references of WO 2012131197A1

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 2012131197 A1 20121004**; BR 112013025036 A2 20161227; BR 112013025036 B1 20210209; CN 103562043 A 20140205; CN 103562043 B 20160413; CO 6771461 A2 20131015; EP 2691278 A1 20140205; EP 2691278 B1 20171004; ES 2650218 T3 20180117; FR 2973321 A1 20121005; FR 2973321 B1 20190927; US 2014020592 A1 20140123; US 8899157 B2 20141202

DOCDB simple family (application)  
**FR 2012000122 W 20120330**; BR 112013025036 A 20120330; CN 201280025489 A 20120330; CO 13231975 A 20130930; EP 12717343 A 20120330; ES 12717343 T 20120330; FR 1100940 A 20110330; US 201214007762 A 20120330