

Title (en)

METHOD AND SYSTEM FOR A LOW HEIGHT LIFT DEVICE

Title (de)

VERFAHREN UND SYSTEM FÜR EINE AUFZUGVORRICHTUNG MIT NIEDRIGER HÖHE

Title (fr)

PROCÉDÉ ET SYSTÈME POUR UN DISPOSITIF DE LEVAGE DE FAIBLE HAUTEUR

Publication

EP 4112533 A1 20230104 (EN)

Application

EP 22181487 A 20220628

Priority

US 202117360436 A 20210628

Abstract (en)

A scissors lift vehicle includes a chassis, a first pair of wheels disposed at one end of the chassis and a second pair of steering wheels disposed at an opposite end of the chassis. The wheels include a circular profile having a radius R. The scissors lift vehicle includes a track having an upper surface and a lower surface extending aft at a height less than R above the travel surface. A pivot connection is coupled to the aft plate at a height less than R above the travel surface. A scissors stack assembly includes a plurality of paired scissors linkages. Each scissors linkage of a first pair of scissors linkages is coupled to a respective pivot connection. Each scissors linkage of a second pair of scissors linkages includes a truck coupled to a distal end. The truck is configured to engage the upper surface of the track.

IPC 8 full level

B66F 7/06 (2006.01); **B66F 11/04** (2006.01)

CPC (source: EP)

B66F 7/0625 (2013.01); **B66F 11/042** (2013.01)

Citation (search report)

- [X] US 2019071293 A1 20190307 - AHERN DON FRANCIS [US], et al
- [X] EP 3650400 A1 20200513 - XTREME MFG LLC [US]
- [A] US 4381101 A 19830426 - HERRIN SAM W

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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4112533 A1 20230104

DOCDB simple family (application)

EP 22181487 A 20220628