

Title (en)

Apparatus for the automated transfer of loads

Title (de)

Vorrichtung zum automatisierten umschlag von Lasten

Title (fr)

Dispositif pour le transbordement automatisé de charges

Publication

EP 1101725 B1 20040714 (DE)

Application

EP 00250370 A 20001108

Priority

DE 19957823 A 19991119

Abstract (en)

[origin: EP1101725A1] The lifting unit is part of a rigid load guide (4). Between this and the lifting traverse (5) there is a cylinder pair (7.1, 7.2). The cylinders are jointed to support relative movement and swinging of the lifting traverse relative to the load guide. Sensors are provided to measure the orientation of the lifting traverse relative to the spreader (2) and/or to the load guide in each position.

IPC 1-7

B66C 1/10

IPC 8 full level

B66C 1/10 (2006.01)

CPC (source: EP US)

B66C 1/101 (2013.01 - EP US)

Cited by

EP2338826A3; CN102482062A; WO2023030872A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1101725 A1 20010523; EP 1101725 B1 20040714; AT E271015 T1 20040715; DE 19957823 A1 20010531; DE 19957823 C2 20011025; DE 50007060 D1 20040819; DK 1101725 T3 20041122; ES 2223396 T3 20050301; PT 1101725 E 20041029; US 6431379 B1 20020813

DOCDB simple family (application)

EP 00250370 A 20001108; AT 00250370 T 20001108; DE 19957823 A 19991119; DE 50007060 T 20001108; DK 00250370 T 20001108; ES 00250370 T 20001108; PT 00250370 T 20001108; US 71634700 A 20001120