

Title (en)

GRIPPER AND TRAVERSE WITH AT LEAST ONE GRIPPER

Title (de)

GREIFER UND TRAVERSE MIT MINDESTENS EINEM GREIFER

Title (fr)

PRÉHENSEUR ET TRAVERSE COMPRENANT AU MOINS UN PRÉHENSEUR

Publication

EP 3372549 A1 20180912 (DE)

Application

EP 18000233 A 20180306

Priority

DE 102017002138 A 20170308

Abstract (en)

[origin: US2018257914A1] A C-gripper for arranging at a cross-member or at a suspension element and a cross-member having at least one such C-gripper for transporting loads. The height of the C-gripper is adjustable.

Abstract (de)

Die Erfindung betrifft einen C-Greifer (1) zur Anordnung an eine Traverse (11) oder an ein Tragmittel und eine Traverse (11) mit mindestens einem solchen C-Greifer (1) zum Transport von Hebegütern, wobei der C-Greifer (1) in seiner Höhe verstellbar ist.

IPC 8 full level

B66C 1/10 (2006.01); **B66C 1/24** (2006.01)

CPC (source: CN EP US)

B66C 1/108 (2013.01 - CN EP US); **B66C 1/24** (2013.01 - EP US); **B66C 1/28** (2013.01 - CN); **B66C 1/44** (2013.01 - CN US); **B66C 1/445** (2013.01 - US)

Citation (search report)

- [A] US 6379104 B1 20020430 - DOMINO CHARLES A [US], et al
- [A] DE 102015105178 A1 20160519 - EMATEC MANFRED EBERHARD MASCHINEN- UND GREIFTECHNIK E K [DE]
- [A] FR 1048354 A 19531222
- [A] DE 884021 C 19530810 - GRAEF ARTHUR
- [A] EP 0364412 A1 19900418 - TANA GUIDO MARINESTAR NAUTICA [IT]

Cited by

EP4227251A1; WO2020053391A1; CN115140651A; CN114132835A; CN111908330A; EP3812334A1; CN112638814A; WO2021078543A1; TWI757921B; US11732695B2; US11994102B2

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

DOCDB simple family (publication)

EP 3372549 A1 20180912; EP 3372549 B1 20201007; CN 108569620 A 20180925; CN 108569620 B 20210223; DE 102017002138 A1 20180913; DE 102017002138 B4 20190228; DK 3372549 T3 20210104; ES 2842873 T3 20210715; US 10259690 B2 20190416; US 2018257914 A1 20180913

DOCDB simple family (application)

EP 18000233 A 20180306; CN 201810186490 A 20180307; DE 102017002138 A 20170308; DK 18000233 T 20180306; ES 18000233 T 20180306; US 201815915298 A 20180308