

Title (en)
TRANSPORT HOOK

Title (de)
TRANSPORTHAKEN

Title (fr)
CROCHET DE TRANSPORT

Publication
EP 4132874 A1 20230215 (DE)

Application
EP 21716397 A 20210401

Priority
• AT 502942020 A 20200406
• DE 102020123514 A 20200909
• EP 2021058668 W 20210401

Abstract (en)
[origin: WO2021204688A1] The present invention relates to a transport hook for raising and moving a load, wherein the transport hook (1) comprises a lever portion (2) with a coupling element (4), by means of which the transport hook (1) can be connected to a lifting apparatus, and also comprises a hook limb (3), which, for the purposes of raising and moving the load (101), can engage in a hole (102) of the load (101). The hook limb (3) is connected to the lever portion (2) by means of an angled portion (14) such that an angle (α) of less than 90° forms between a line which extends from the coupling element (4) to a vertex (SP) of the angled portion (14) and a line which runs along the hook limb (3). The hook can grip a load through a small opening on an upwardly oriented surface and raise the load securely. The transport hook can be provided with different securing elements, which reliably prevent accidental release of the transport hook.

IPC 8 full level
B66C 1/36 (2006.01); **B66C 1/66** (2006.01)

CPC (source: EP US)
B66C 1/14 (2013.01 - EP US); **B66C 1/36** (2013.01 - EP US); **B66C 1/66** (2013.01 - EP US)

Citation (search report)
See references of WO 2021204688A1

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)
WO 2021204688 A1 20211014; AU 2021252089 A1 20221110; AU 2021252089 A2 20221222; CA 3178866 A1 20211014; CN 115485225 A 20221216; EP 4132874 A1 20230215; JP 2023520738 A 20230518; US 2023174348 A1 20230608

DOCDB simple family (application)
EP 2021058668 W 20210401; AU 2021252089 A 20210401; CA 3178866 A 20210401; CN 202180031359 A 20210401; EP 21716397 A 20210401; JP 2023503515 A 20210401; US 202117917275 A 20210401