

Title (en)
SAFETY LOAD HOOK

Title (de)
SICHERHEITSLASTHAKEN

Title (fr)
CROCHETS DE LEVAGE DE SÉCURITÉ

Publication
EP 3736243 B1 20210818 (DE)

Application
EP 20151671 A 20200114

Priority
DE 102019103517 A 20190212

Abstract (en)
[origin: US2020255265A1] A safety load hook with a lower part having a hook throat to which a pivotable upper part is fastened, which, in an open position, allows a load to be suspended on the hook throat and, in a closed position, blocks the hook throat. The upper part is blockable in the closed position in by a locking arrangement which includes a locking lever that is pivotable into a release position and a locked position, is pre-tensionable into the locked position by a tensioning spring, is fastened to the lower part with the tensioning spring via the support bolt and, in the locked position, engages in a shaped receiving means on the upper part by way of a shaped projection. The locking lever includes a lever on its side opposite the shaped projection, with a center of mass on the lateral surface of the receiving bore for the support bolt.

IPC 8 full level
B66C 1/36 (2006.01)

CPC (source: EP US)
B66C 1/36 (2013.01 - EP US)

Designated contracting state (EPC)
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DOCDB simple family (publication)
US 11142432 B2 20211012; US 2020255265 A1 20200813; DE 102019103517 A1 20200813; DE 102019103517 B4 20210422; EP 3736243 A1 20201111; EP 3736243 B1 20210818; TW 202030142 A 20200816; TW 1825272 B 20231211

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US 202016786865 A 20200210; DE 102019103517 A 20190212; EP 20151671 A 20200114; TW 109104257 A 20200211