

Title (en)
TWISTLOCK FOR LIFTING EQUIPMENT

Title (de)
TWISTLOCK FÜR HEBEZEUGE

Title (fr)
VERROU TOURNANT POUR ENGIN DE LEVAGE

Publication
EP 1409394 A1 20040421 (DE)

Application
EP 01942979 A 20010427

Priority
• DE 0101602 W 20010427
• DE 10021480 A 20000503

Abstract (en)
[origin: WO0183354A1] The invention relates to a twistlock for lifting equipment, designed to engage with the corners of containers, comprising a fulcrum pin, a tracer pin and actuation elements, such as levers, and elements that recognize the twistlock position, such as sensors. Said twistlock pin (16), with its elements (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16), forms a modular unit that can be quickly assembled and disassembled. The elements are fastened in openings of the spreader (15) by means of fastening elements (8, 10) in a detachable and anti-twist manner. Once the locking element (8) is released and the pin linking the lever (9) for the twistlock engagement with a corresponding actuation element, every twistlock can be immediately removed and exchanged.

IPC 1-7
B66C 1/66

IPC 8 full level
B66C 1/66 (2006.01)

CPC (source: EP)
B66C 1/663 (2013.01)

Citation (search report)
See references of WO 0183354A1

Cited by
RU2487832C1; DE102009022343B4; DE102009022343A1

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)
WO 0183354 A1 20011108; AT E338726 T1 20060915; CN 1166551 C 20040915; CN 1426371 A 20030625; DE 10021480 A1 20011115; DE 50110968 D1 20061019; EP 1409394 A1 20040421; EP 1409394 B1 20060906

DOCDB simple family (application)
DE 0101602 W 20010427; AT 01942979 T 20010427; CN 01808619 A 20010427; DE 10021480 A 20000503; DE 50110968 T 20010427; EP 01942979 A 20010427