

Title (en)  
LIFTING TOOL

Title (de)  
HEBEWERKZEUG

Title (fr)  
OUTIL DE LEVAGE

Publication  
**EP 3584210 A1 20191225 (EN)**

Application  
**EP 19180432 A 20190617**

Priority  
NL 2021139 A 20180618

Abstract (en)  
A lifting tool (1) for lifting a load of at least 1000 kg, comprising a substantially rigid main body (2) provided with a first connecting portion (4) configured for releasable attachment to a lifting device and a second connecting portion (6) configured for releasable attachment to a load. The main body (2) is made of a fiber reinforced material and further comprises an outer surface (8) covered at least in part by an impact resistant layer (10) comprising a polymer based material, a fiber reinforced resin, a fiber reinforced laminate or a combination thereof.

IPC 8 full level  
**B66C 1/34** (2006.01)

CPC (source: EP)  
**B66C 1/34** (2013.01)

Citation (applicant)  

- US 4850630 A 19890725 - DAVIES WILLIAM [US]
- US 3675961 A 19720711 - WHEELER CHARLES B
- US 2009008953 A1 20090108 - BISSO IV WILLIAM A [US]
- US 2017241469 A1 20170824 - PAUTSCH INGO [DE], et al

Citation (search report)  

- [YA] US 2017241469 A1 20170824 - PAUTSCH INGO [DE], et al
- [Y] CN 203345928 U 20131218 - SHANGHAI XIANGJIN IND MACHINERY GROUP CO LTD
- [Y] DE 1258056 B 19680104 - INTERCONTINENTALE TECHNIK GES, et al
- [YA] CN 105480852 A 20160413 - ANHUI CHAOSHENG HOISTING MACHINERY CO LTD
- [YA] CALDWELL LIFTING SOLUTIONS: "Dura-Lite, Composite Lifting & Spreader Beams", 23 April 2015 (2015-04-23), XP002788953, Retrieved from the Internet <URL:https://web.archive.org/web/20160423160926/http://www.caldwellinc.com/strong-bac/dura-litetm-composite-lifting-spreader-beams/dura-litetm-composite-lifting-beams/documents/dura-litetm-composite-flyer> [retrieved on 20190214]

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 3584210 A1 20191225**; NL 2021139 B1 20200106

DOCDB simple family (application)  
**EP 19180432 A 20190617**; NL 2021139 A 20180618