

Title (en)
Carrier with handle

Title (de)
Tragegriff

Title (fr)
Support avec poignée

Publication
EP 2028126 A1 20090225 (DE)

Application
EP 08013311 A 20080724

Priority
DE 102007034870 A 20070724

Abstract (en)
The handle (1) has a grip element (3) and retaining elements (2a-2f) for retaining a container. The grip element is telescopically arranged in a level of the carrying handle over two torsion points (36, 37) at the carrying handle. A grip element is telescopically arranged in the level of the carrying handle such that the distance between the grip element and highest extension of the container permits an insertion of a hand of a carrying person. Reinforcement bars (5-10) are arranged at an outer side related to the handle when providing the retaining elements. An independent claim is also included for a device for attaching carrying handles.

Abstract (de)
Bei einem Tragegriff (1,200,300) für einen oder mehrere Behälter (100) mit zumindest einem Griffelement (3,230,231,330) und zumindest einem Aufnahmeelement (2a,2b,2c,2d,2e,2f) zur Aufnahme des zumindest einen Behälters (100), ist das Griffelement (3,230,231,330) aus der Ebene des Tragegriffs (1,200, 300) heraus teleskopierbar über zumindest zwei Torsionsstellen (35,36,37,38,238,331,332) am Tragegriff (1,200,300) angeordnet.

IPC 8 full level
B65D 71/02 (2006.01); **B65D 71/50** (2006.01)

CPC (source: EP)
B65D 71/50 (2013.01); **B65D 2203/06** (2013.01)

Citation (applicant)

- DE 1138194 B 19621018 - SNAP PAC CORP
- DE 2120303 A1 19711118
- DE 2144334 A1 19730308 - HEUBL WALTER
- DE 2531325 A1 19760129 - ILLINOIS TOOL WORKS
- DE 8915740 U1 19910404
- DE 4411188 A1 19941013 - INT OMNI PAK CORP [US]
- DE 69905308 T2 20031211 - FERRARI GUGLIELMO [IT], et al
- WO 2004076310 A2 20040910 - SCHOELLER WAVIN SYS SERV GMBH [DE], et al
- DE 20311628 U1 20030925 - GUZIK WERNER [DE]
- DE 102004019437 A1 20051103
- DE 112004002843 T5 20070510 - ROBERTS POLYPRO INC [US]
- DE 202005005970 U1 20050721 - SEIFERT GREGOR [DE]
- DE 202005014112 U1 20051229 - TERRAMARK MARKENCREATION GMBH [DE]
- DE 202005016091 U1 20051208 - SCHOELLER ARCA SYSTEMS SERVICE [DE]
- US 2004256250 A1 20041223 - BORG ZAKARY J [US]
- US 6394517 B1 20020528 - BORG JAMES C [US]
- EP 1710171 A1 20061011 - OREGON PREC IND INC [US]
- US 5306060 A 19940426 - BORG JAMES C [US]
- US 5735562 A 19980407 - BORG JAMES C [US]
- US 6715810 B2 20040406 - BORG JAMES C [US]
- US 2006254934 A1 20061116 - BORG ZAKARY J [US]
- US 6789828 B1 20040914 - BORG ZAKARY J [US]
- EP 1752386 A1 20070214 - OREGON PREC IND INC [US]
- US 6129397 A 20001010 - BORG JAMES C [US]
- US 2007039836 A1 20070222 - BORG ZAKARY J [US], et al

Citation (search report)

- [DX] US 2007039836 A1 20070222 - BORG ZAKARY J [US], et al
- [XY] US 3727754 A 19730417 - CUNNINGHAM E
- [X] US 4545480 A 19851008 - KLYGIS MINDAUGAS J [US]
- [DX] US 6394517 B1 20020528 - BORG JAMES C [US]
- [XY] US 3084792 A 19630409 - JULES POUPITCH OUGLJESA
- [A] WO 0240357 A2 20020523 - FLEXIBLE PRODUCTS CO [US]
- [A] EP 1077183 A1 20010221 - ILLINOIS TOOL WORKS [US]

Cited by
EP3455145A4; GB2519659A; GB2519659B; CN109328171A; US11001428B2; US9815605B2; WO2013004339A1; WO2012159694A1; EP2948387B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)

EP 2028126 A1 20090225; EP 2028126 B1 20130501; DE 102007034870 A1 20090129

DOCDB simple family (application)

EP 08013311 A 20080724; DE 102007034870 A 20070724