

Title (en)
SUCTION CUP

Title (de)
SAUGNAPF

Title (fr)
VENTOUSE

Publication
EP 2872437 A4 20160323 (EN)

Application
EP 13817342 A 20130711

Priority

- FI 20120230 A 20120711
- FI 20120405 A 20121210
- FI 2013000028 W 20130711

Abstract (en)
[origin: WO2014009595A1] Suction cup (1) in order to grip objects (8) in which case the suction cup (1) comprises a cup part which is flexible at its edges, an edge part at the tip of the cup part which can be pressed against the object and a connection aggregate (2) which is located at the bottom of the mentioned cup part in order to connect the suction pipe creating negative pressure to it and that the flexible cup part comprises a cover (6) or a corresponding wall which cuts the connection from the connection aggregate (2) to/into the suction cup space and that the cover (6) or a corresponding thing comprises a cut, such as an incision (5) or a hole, which penetrates the cover (6) which cut is open from the closed position when the suction cup (1) is being pressed against the object (8) due to the flexible movement of the edge parts of the suction cup (1). Both the suction cup (1) and the cover (6) are made of flexible material and the structure of the suction cup (1) is adjusted to ensure the closed position of the cover (6).

IPC 8 full level
B66C 1/02 (2006.01); **B25B 11/00** (2006.01); **B25J 15/06** (2006.01); **B65G 47/91** (2006.01)

CPC (source: EP)
B25B 11/007 (2013.01); **B25J 15/0683** (2013.01); **B65G 47/91** (2013.01); **B66C 1/0212** (2013.01)

Citation (search report)

- [A] GB 1534235 A 19781129 - FREUDENBERG C
- See references of WO 2014009595A1

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

DOCDB simple family (publication)
WO 2014009595 A1 20140116; EP 2872437 A1 20150520; EP 2872437 A4 20160323

DOCDB simple family (application)
FI 2013000028 W 20130711; EP 13817342 A 20130711