

Title (en)
UNIVERSAL GRIPPING AND HOLDING DEVICE

Title (de)
UNIVERSELLE GREIF- UND HALTEVORRICHTUNG

Title (fr)
DISPOSITIF UNIVERSEL DE SAISIE ET DE RETENUE

Publication
EP 1846195 A1 20071024 (DE)

Application
EP 06706683 A 20060206

Priority

- EP 2006001028 W 20060206
- DE 102005005639 A 20050205
- DE 102005027889 A 20050616
- DE 102005031047 A 20050702
- DE 102005046559 A 20050928
- DE 102005047521 A 20051004

Abstract (en)
[origin: WO2006082100A1] The invention relates to an assembly for gripping, holding, lifting, and/or moving all types of objects. Said assembly comprises at least one receptacle (1) with a deformable surface (2) that can be adapted to the object. The interior of the receptacle (1) contains materials (3) which solidify under the influence of temperature, negative pressure, vacuum, excess pressure. The inventive assembly further comprises at least one apparatus for influencing the temperature and/or the pressure. Also disclosed is a method for gripping, holding, lifting, and/or moving all types of objects, according to which such a receptacle (1) is brought in contact with the object and is then subjected to a change in temperature and/or pressure until a positive connection has been obtained.

IPC 8 full level
B25B 1/24 (2006.01); **B23Q 3/08** (2006.01); **B25B 5/06** (2006.01); **B25J 15/00** (2006.01); **B66F 9/18** (2006.01)

CPC (source: EP)
B23Q 3/086 (2013.01); **B25B 1/2415** (2013.01); **B25B 5/065** (2013.01); **B25B 9/00** (2013.01); **B25J 15/0023** (2013.01); **B65G 47/90** (2013.01); **B65G 47/908** (2013.01)

Citation (search report)
See references of WO 2006082100A1

Cited by
EP3771524A1; CN112296898A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006082100 A1 20060810; EP 1846195 A1 20071024; JP 2008528408 A 20080731

DOCDB simple family (application)
EP 2006001028 W 20060206; EP 06706683 A 20060206; JP 2007553558 A 20060206