

Title (en)

Magnetic gripper for grabbing and releasing magnetic materials.

Title (de)

Magnetgreifer zum Greifen und Loslassen magnetischen Materialien.

Title (fr)

Grappin magnétique pour saisir et relâcher des matériaux magnétiques.

Publication

**EP 2796400 A1 20141029 (EN)**

Application

**EP 14165435 A 20140422**

Priority

BE 201300289 A 20130424

Abstract (en)

Magnetic gripper (1) comprising: - two or several bistable magnets (13) which can be switched between an on mode, in which the bistable magnet (13) concerned can exert a magnetic gripping force on magnetic material (2) to be picked up, and an off mode, in which the bistable magnet (13) concerned cannot exert any magnetic gripping force on magnetic material (2) to be picked up; - a control unit (25) for generating electrical pulses to control the bistable magnets (13); - an electric battery (26) as an autonomous source of energy for generating the electrical pulses.

IPC 8 full level

**B66C 1/06** (2006.01); **B66F 9/18** (2006.01)

CPC (source: EP)

**B66C 1/06** (2013.01); **B66F 9/182** (2013.01)

Citation (search report)

- [A] JP 2002302374 A 20021018 - KURIMOTO LTD
- [A] DE 202005016489 U1 20070301 - LIEBHERR HYDRAULIKBAGGER [DE]
- [A] WO 2010043919 A1 20100422 - HH INTELLITECH APS [DK], et al

Cited by

CN112978554A; CN106006481A; CN113199537A; CN116768011A; US2020095074A1; US11104552B2; WO2021103244A1

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 2796400 A1 20141029; EP 2796400 B1 20151230**; BE 1021277 B1 20151013; PL 2796400 T3 20160630

DOCDB simple family (application)

**EP 14165435 A 20140422**; BE 201300289 A 20130424; PL 14165435 T 20140422