

Title (en)

ELECTROMAGNETIC GRIPPER COMPRISING A LIGHT SOURCE

Title (de)

ELEKTROMAGNETISCHER GREIFER MIT EINER LICHTQUELLE

Title (fr)

VENTOUSE ÉLECTROMAGNÉTIQUE COMPORTANT UNE SOURCE LUMINEUSE

Publication

EP 2563997 B1 20140514 (FR)

Application

EP 11730345 A 20110331

Priority

- FR 1001786 A 20100427
- FR 2011000192 W 20110331

Abstract (en)

[origin: WO2011135196A1] The invention relates to an electromagnetic gripper comprising an electromagnet (1) housed in an enclosure consisting mainly of a channel section (2), and a light source, the rays of which exit through an aperture (5) provided in one (2a) of the arms of said channel section, said electromagnetic gripper being characterized in that the aperture through which the light rays exit is blocked by a blade (7) made of translucent material and extending over the entirety or a portion of said flange (2a).

IPC 8 full level

E05B 17/10 (2006.01); **E05C 19/16** (2006.01)

CPC (source: EP US)

E05B 17/10 (2013.01 - EP US); **E05C 19/166** (2013.01 - EP US)

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)

FR 2959346 A1 20111028; **FR 2959346 B1 20120713**; CA 2773993 A1 20111103; CA 2773993 C 20170822; CN 102713114 A 20121003; EP 2563997 A1 20130306; EP 2563997 B1 20140514; ES 2491092 T3 20140905; MY 162670 A 20170630; SG 178901 A1 20120427; US 2012223538 A1 20120906; WO 2011135196 A1 20111103

DOCDB simple family (application)

FR 1001786 A 20100427; CA 2773993 A 20110331; CN 201180004227 A 20110331; EP 11730345 A 20110331; ES 11730345 T 20110331; FR 2011000192 W 20110331; MY PI2012001282 A 20110331; SG 2012013785 A 20110331; US 201113509936 A 20110331