

Title (en)

ELECTROADHESIVE GRIPPING SYSTEM WITH SMART BRAKE AND METERING

Title (de)

ELEKTROADHÄSIVES GREIFERSYSTEM MIT INTELLIGENTER ABBREMSUNG UND DOSIERUNG

Title (fr)

SYSTÈME DE PRÉHENSION ÉLECTRO-ADHÉSIF À FREIN ET DOSAGE INTELLIGENTS

Publication

**EP 3119563 A4 20171227 (EN)**

Application

**EP 15764245 A 20150317**

Priority

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- US 2015020805 W 20150316
- US 2015021051 W 20150317

Abstract (en)

[origin: WO2015142754A1] A system utilizes electroadhesive surfaces for braking and metering objects in an automated environment. An electroadhesive surface can include electrodes that are configured to induce an electrostatic attraction with nearby objects upon application of voltage to the electrodes. The systems described utilize various configurations of electroadhesive surfaces, sensors, controllers and programmable processors to create smart braking, capturing and metering systems for improved automated material handling.

IPC 8 full level

**B25J 15/00** (2006.01); **B65G 13/00** (2006.01); **B65G 47/29** (2006.01); **B65G 47/31** (2006.01)

CPC (source: EP)

**B25J 15/0085** (2013.01); **B65G 11/203** (2013.01); **B65G 13/075** (2013.01)

Citation (search report)

- [X] US 2013292303 A1 20131107 - PRAHLAD HARSHA [US], et al
- [E] WO 2016054561 A1 20160407 - FRITO LAY NORTH AMERICA INC [US]
- [Y] DE 102009011302 A1 20100909 - KUKA ROBOTER GMBH [DE]
- [Y] US 2013242455 A1 20130919 - PRAHLAD HARSHA [US], et al
- See references of WO 2015142911A1

Designated contracting state (EPC)

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**WO 2015142754 A1 20150924**; EP 3119563 A1 20170125; EP 3119563 A4 20171227

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