

Title (en)
INDUSTRIAL ROBOT HAVING A PROTECTION DEVICE

Title (de)
INDUSTRIEROBOTER MIT SCHUTZVORRICHTUNG

Title (fr)
ROBOT INDUSTRIEL MUNI D'UN DISPOSITIF DE PROTECTION

Publication
EP 2483038 A1 20120808 (DE)

Application
EP 10759799 A 20100922

Priority
• EP 09405173 A 20091001
• CH 2010000229 W 20100922
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Abstract (en)
[origin: EP2305437A1] The robot has a movable carriage (22) at which a working device (23.1) is supported in a vertically movable manner and is lowered from an area above a safety plane to another area below the plane. A protection device having a trough-shaped protection plate (28.3), is positioned in the plane in a position, such that the working device is prevented from lowering from the former area to the latter area. The plate is moved in another position so as to lower the working device from the former area into the latter area. The protection device is attached to the carriage and the working device.

IPC 8 full level
B25J 5/04 (2006.01); **B23Q 1/62** (2006.01); **B25J 9/00** (2006.01); **B25J 9/02** (2006.01); **B25J 19/06** (2006.01)

CPC (source: EP KR US)
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Citation (search report)
See references of WO 2011038518A1

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