

Title (en)
Fitting vehicle for glass and solar modules

Title (de)
Montagefahrzeug für Glas- bzw. Solarmodule

Title (fr)
Véhicule de montage pour modules en verre ou solaires

Publication
EP 2263964 A3 20110914 (DE)

Application
EP 10006405 A 20100621

Priority
• DE 102009060996 A 20090619
• DE 102009034271 A 20090721
• DE 102009049926 A 20091019

Abstract (en)
[origin: EP2263964A2] The vehicle (1) has a working arm (16) comprising an extension arm and a handling device (26) at an end. The working arm is fastened at another end on a stand-and/or loading surface (3), and a fastening unit implements a rotation movement around an axis that is perpendicular to the stand-and/or loading surface. The handling device is supplied with energy such as electric energy, and/or hydraulic pressure or pneumatic pressure or vacuum by a drive. A multi axis rotating head is provided with a tool holder in the handling device.

IPC 8 full level
B66C 1/02 (2006.01); **B66C 1/68** (2006.01); **B66F 9/18** (2006.01)

CPC (source: EP)
B66C 1/0212 (2013.01); **B66C 1/0243** (2013.01); **B66C 1/68** (2013.01); **B66F 9/181** (2013.01)

Citation (search report)
• [X] FR 2776006 A1 19990917 - CONCEPTION COMMERCIALISATION M [FR]
• [I] US 5224808 A 19930706 - MACRIS JAMES [US]
• [A] EP 1043127 A1 20001011 - GGR GLASS SERVICES LIMITED [GB]
• [A] US 4676713 A 19870630 - VOELPEL CHARLES E [US]
• [A] EP 0919515 A2 19990602 - HONDA MOTOR CO LTD [JP]
• [A] DE 4006860 A1 19910912 - GOEPFERT REINHARD [DE]

Cited by
DE102010038054A1; AU2018369820B2; CN109914302A; CN114837434A; CN115867507A; EP2617674A1; CN116462080A; CN105858512A; CN110294437A; CN114084629A; FR3018069A1; US11245353B2; WO2011151440A1; WO2019097348A1; WO2021240467A1; US11919149B2; US11951617B2

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
EP 2263964 A2 20101222; EP 2263964 A3 20110914

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