

Title (en)
SWING-GATE ARTICULATED-ARM DRIVE LINKAGE, AND SWING-GATE ARTICULATED-ARM DRIVE AND SWING GATE HAVING SAID SWING-GATE ARTICULATED-ARM DRIVE LINKAGE

Title (de)
DREHTORKNICKARMANTRIEBSGESTÄNGE SOWIE DREHTORKNICKARMANTRIEB UND DREHTOR MIT DEMSELBEN

Title (fr)
TRINGLERIE DE COMMANDE DE BRAS ARTICULÉ DE PORTE TOURNANTE ET PORTE TOURNANTE MUNIE DE LADITE TRINGLERIE

Publication
EP 3022374 A1 20160525 (DE)

Application
EP 14726119 A 20140516

Priority
• DE 102013107546 A 20130716
• EP 2014060167 W 20140516

Abstract (en)
[origin: WO2015007417A1] The invention relates to a swing-gate articulated-arm drive linkage (12), comprising a first articulated arm (14) and a second articulated arm (16), wherein the first articulated arm (14) can be connected at a first end (18) to a motor drive unit (54) of a swing-gate articulated-arm drive (46) for driving a rotational motion of the first articulated arm (14) about a first axis of rotation (58) and is connected at the second end (20) to a first end of the second articulated arm (22) by means of an articulated-arm joint (24) in such a way that the first and the second articulated arm (14, 16) can be rotated in relation to each other about a second axis of rotation (60), which extends substantially parallel to the first axis of rotation (58), wherein the second articulated arm (16) is to be connected at a second end (26) thereof, by means of a gate joint (28), to a swing-gate leaf (42) of a swing gate (40) to be driven. In order to be able to drive a larger variety of swing gates in a simple and safe manner and with low maintenance, it is proposed that the articulated-arm joint (24) is a multi-axis joint (70), which also permits, in addition to the relative rotation of the first articulated arm (14) and the second articulated arm (16) about the second axis of rotation (60), a relative pivoting of the first and the second articulated arm (14, 16) about at least one additional axis (74).

IPC 8 full level
E05D 7/06 (2006.01)

CPC (source: EP)
E05F 15/63 (2015.01); **E05D 7/06** (2013.01); **E05Y 2201/636** (2013.01); **E05Y 2600/32** (2013.01); **E05Y 2800/26** (2013.01); **E05Y 2800/358** (2013.01); **E05Y 2900/40** (2013.01)

Citation (search report)
See references of WO 2015007417A1

Citation (examination)
WO 0142608 A1 20010614 - PEDEMONTE CARLO [IT]

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)
DE 102013107546 B3 20140717; EP 3022374 A1 20160525; WO 2015007417 A1 20150122

DOCDB simple family (application)
DE 102013107546 A 20130716; EP 14726119 A 20140516; EP 2014060167 W 20140516