

Title (en)
Tilt control

Title (de)
Neigungssteuerung

Title (fr)
Commande d'inclinaison

Publication
EP 2703248 A3 20140416 (EN)

Application
EP 13182316 A 20130830

Priority
FI 20125907 A 20120831

Abstract (en)
[origin: EP2703248A2] An arrangement for adjusting a tilt of a wagon having a tilting body (2), the arrangement comprising a digital hydraulic valve assembly, which may be arranged to control the movement of at least one tilting actuator (5) of the wagon having a tilting body, and a control unit (7b) comprising at least a regulator (8) for controlling the valve states in question, and means for receiving input and feedback data (9) for determining a tilting need and means for producing control signals (10) for valve control power stages in accordance with commands issued by the regulator.

IPC 8 full level
B61F 5/22 (2006.01)

CPC (source: EP FI)
B61F 5/22 (2013.01 - EP); **B61F 5/245** (2013.01 - FI)

Citation (search report)

- [X] EP 0736438 A2 19961009 - FIAT FERROVIARIA SPA [IT]
- [A] US 4069767 A 19780124 - GLAZE STANLEY GEORGE
- [A] EP 0713816 A1 19960529 - MICROTECNICA [IT], et al
- [A] WO 8200120 A1 19820121 - BUDD CO [US]
- [A] EP 2216228 A1 20100811 - KAYABA INDUSTRY CO LTD [JP], et al
- [A] WO 0132491 A1 20010510 - BOMBARDIER INC [CA], et al
- [I] US 3789769 A 19740205 - STROHMER A, et al
- [I] US 5787815 A 19980804 - ANDERSSON EVERT [SE], et al

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)
EP 2703248 A2 20140305; EP 2703248 A3 20140416; EP 2703248 B1 20200729; ES 2822566 T3 20210504; FI 125345 B 20150831; FI 20125907 A 20140301; PT 2703248 T 20201009; SI 2703248 T1 20210129

DOCDB simple family (application)
EP 13182316 A 20130830; ES 13182316 T 20130830; FI 20125907 A 20120831; PT 13182316 T 20130830; SI 201331790 T 20130830