

Title (en)
MOTORIZED HUMANOID ROBOT

Title (de)
MOTORISIERTER HUMANOIDER ROBOTER

Title (fr)
ROBOT A CARACTERE HUMANOÏDE MOTORISE

Publication
EP 3377273 A1 20180926 (FR)

Application
EP 16795068 A 20161114

Priority

- FR 1561106 A 20151118
- EP 2016077575 W 20161114

Abstract (en)
[origin: CA3005651A1] The invention relates to a motorized humanoid robot (50) that has a positioning axis (11) extending along a reference axis (12) in a reference position and is able to move on a horizontal plane (13), comprising a first wheel (14) and a second wheel (15) in contact with the horizontal plane (13). According to the invention, the robot (50) comprises a base (17) having a left-hand surface (18) which, in a vertical plane passing through the centre of the wheels (14, 15), extends on either side of each of the wheels (14, 15), the left-hand surface (18) being able to form, at any point on the left-hand surface (18), a first point of contact with the horizontal plane (13), defining a centre of rotation (O) for any first point of contact, and the robot (50) is configured such that the centre of rotation (O) and the centre of gravity (G) of the robot (50) are offset so as to generate a torque that tends to return the robot (50) to the reference position from any position in which its positioning axis (11) forms a non-zero angle with the reference axis (12).

IPC 8 full level
B25J 5/00 (2006.01); **B25J 9/00** (2006.01)

CPC (source: EP KR US)
B25J 5/007 (2013.01 - EP KR); **B25J 9/0003** (2013.01 - EP KR US); **B25J 9/0009** (2013.01 - KR); **B62D 61/00** (2013.01 - US)

Citation (search report)
See references of WO 2017085014A1

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)
FR 3043582 A1 20170519; FR 3043582 B1 20181026; AU 2016356864 A1 20180607; AU 2016356864 B2 20190509; BR 112018010049 A2 20181121; CA 3005651 A1 20170526; CN 108367429 A 20180803; EP 3377273 A1 20180926; JP 2018535840 A 20181206; KR 20180083398 A 20180720; MX 2018006111 A 20190314; SG 11201804175S A 20180628; US 2020262053 A1 20200820; WO 2017085014 A1 20170526

DOCDB simple family (application)
FR 1561106 A 20151118; AU 2016356864 A 20161114; BR 112018010049 A 20161114; CA 3005651 A 20161114; CN 201680073386 A 20161114; EP 16795068 A 20161114; EP 2016077575 W 20161114; JP 2018525774 A 20161114; KR 20187017002 A 20161114; MX 2018006111 A 20161114; SG 11201804175S A 20161114; US 201615776745 A 20161114