

Title (en)

METHOD AND SYSTEM FOR ASSISTING A WORKER IN A SYSTEM FOR MANIPULATING GOODS ITEMS

Title (de)

VERFAHREN UND SYSTEM ZUR UNTERSTÜTZUNG EINES ARBEITERS IN EINER ANLAGE ZUR MANIPULATION VON WAREN

Title (fr)

PROCÉDÉ ET SYSTÈME D'ASSISTANCE À UN OUVRIER DANS UNE INSTALLATION DE MANIPULATION DE MARCHANDISES

Publication

EP 2888185 A1 20150701 (DE)

Application

EP 13780049 A 20130823

Priority

- AT 9212012 A 20120824
- AT 2013050166 W 20130823

Abstract (en)

[origin: WO2014028959A1] A method and an assistance system for assisting a worker (1) in a system (2) for manipulating goods items (3) are specified. According to the invention, the movements of the worker (1) and optionally the goods item (3) which is manipulated by the worker (1) are detected by way of at least one camera (9) which is mounted on the system side, and are compared as to whether the detected movements of the worker (1) and optionally of the goods item (3) lie in a target range of a movement sequence. If this is the case, the performance of a further movement sequence is subsequently checked. If this is not the case, a correction signal is output in order to bring about the performance of the required movement sequence. To this end, the detection region of the at least one camera (9) is divided into segments, wherein a movement sequence contains an occupancy of the segments by the worker (1). In general, a movement sequence comprises the detection and depositing of at least one goods item (3).

IPC 8 full level

B65G 1/137 (2006.01); **G06F 3/01** (2006.01); **G06K 9/00** (2006.01); **G06Q 10/08** (2012.01)

CPC (source: EP)

B65G 1/137 (2013.01); **B65G 1/1378** (2013.01); **G06V 20/52** (2022.01)

Citation (search report)

See references of WO 2014028959A1

Citation (examination)

VINCZE M ET AL: "Integrated vision system for the semantic interpretation of activities where a person handles objects", COMPUTER VISION AND IMAGE UNDERSTANDING, ACADEMIC PRESS, US, vol. 113, no. 6, 1 June 2009 (2009-06-01), pages 682 - 692, XP026038465, ISSN: 1077-3142, [retrieved on 20081117], DOI: 10.1016/J.CVIU.2008.10.008

Cited by

DE102021101973A1

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)

WO 2014028959 A1 20140227; AT 513130 A4 20140215; AT 513130 B1 20140215; EP 2888185 A1 20150701

DOCDB simple family (application)

AT 2013050166 W 20130823; AT 9212012 A 20120824; EP 13780049 A 20130823