

Title (en)

METHOD FOR AUTOMATICALLY MOVING ON THE GROUND A TOOL MOUNTED AT THE END OF AN ARTICULATED ARM

Title (de)

VERFAHREN ZUM AUTOMATISCHEN BEWEGEN EINES WERKZEUGS AUF EINEM GELÄNDE , WELCHES AM GELENKARMENDE MONTIERT IST

Title (fr)

PROCEDE DE DEPLACEMENT AUTOMATIQUE SUR UN TERRAIN, D'UN OUTIL MONTE A L'EXTREMITE D'UN BRAS ARTICULE

Publication

EP 1297395 A1 20030402 (FR)

Application

EP 01938307 A 20010522

Priority

- FR 0101584 W 20010522
- FR 0006794 A 20000526

Abstract (en)

[origin: FR2809339A1] The invention concerns a method for automatically moving on the ground a tool mounted at the end of an articulated arm. It consists in bringing the tool (7, 17, 27) onto a first point of the surface and in calculating the co-ordinates of said point; in bringing the tool onto a second point enabling to set a first axis of co-ordinates of the working plan and to determine the furthestmost point to be reached on said axis; in bringing the tool onto a third point close to the second co-ordinate axis and enabling to define the position of the frame of reference of the working plan, then in a fourth point delimiting the zone plane inside which the work will be performed and in defining a working plan for the tool capable of being superimposed with the working surface so as to enable it to cover, by discontinuous or continuous movements, the entire working surface.

IPC 1-7

G05B 19/42; F41H 11/16

IPC 8 full level

E02F 9/20 (2006.01); **B25J 9/06** (2006.01); **B25J 9/10** (2006.01); **F41H 11/16** (2011.01)

CPC (source: EP US)

F41H 11/18 (2013.01 - EP US)

Citation (search report)

See references of WO 0192976A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

FR 2809339 A1 20011130; FR 2809339 B1 20020920; AU 6400301 A 20011211; CA 2410282 A1 20011206; EP 1297395 A1 20030402; JP 2003534932 A 20031125; US 2004020084 A1 20040205; WO 0192976 A1 20011206

DOCDB simple family (application)

FR 0006794 A 20000526; AU 6400301 A 20010522; CA 2410282 A 20010522; EP 01938307 A 20010522; FR 0101584 W 20010522; JP 2002501123 A 20010522; US 29617903 A 20030109