

Title (en)

APPARATUS AND METHOD FOR CONTROLLING WORK TRAJECTORY OF CONSTRUCTION EQUIPMENT

Title (de)

VORRICHTUNG UND VERFAHREN ZUR STEUERUNG DER BEWEGUNGSBAHN VON BAUMASCHINEN

Title (fr)

APPAREIL ET PROCÉDÉ POUR COMMANDER UNE TRAJECTOIRE DE TRAVAIL D'UNE MACHINE DE CONSTRUCTION

Publication

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Application

EP 11798396 A 20110623

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Abstract (en)

The present invention relates to a apparatus and method for controlling work trajectory of construction equipment, and particularly, to a trajectory controlling device and a method for construction equipment, capable of automatically operating with the most suitable work trajectory at the point when an automated task is selected. The trajectory controlling device and method for construction equipment may control a task starting point and the following of a trajectory in order to compensate for a positioning error when playback is selected to follow a teaching trajectory, and may minimize positioning errors by compensating for changes related to gravity due to changes in the posture of a work device.

IPC 8 full level

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Cited by

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