

Title (en)

Device and method for controlling rotation of container

Title (de)

Vorrichtung und Verfahren zur Steuerung der Drehbewegung eines Containers

Title (fr)

Dispositif et procédé pour contrôler la rotation d'un conteneur

Publication

EP 1334945 A2 20030813 (EN)

Application

EP 03002160 A 20030203

Priority

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Abstract (en)

A device for controlling the rotation of a container used for a crane which includes a jib (2) for hanging a container (19) via a lifting attachment (15) and a rope (3), the device rotating the container by rotating the rope using a rotation motor (16). The device includes a container rotation angle obtaining unit (22,23); a lifting attachment rotation angle obtaining unit; a control computing unit (50) which computes a motor control command value based on an equation relating to a deviation between a target rotation angle and the rotation angle of the container, an angle of the lifting attachment member, and the motor control command value; a rotation motor control unit which drives the rotation motor; and a feedback control unit which performs feedback control on the rotation angle of the container and the angle of the lifting attachment member so that the rotation angle of the container matches the target rotation angle of the container. <IMAGE>

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