

Title (en)

Large manipulator for concrete pumps with a control device with a safety routine, as well as method to monitor the safety of a foldable boom of such a large manipulator

Title (de)

Grossmanipulator für Betonpumpen mit einer Steuereinrichtung mit einer Sicherheitsroutine, sowie Verfahren zur Sicherheitsüberwachung eines Knickmastes eines solchen Grossmanipulators

Title (fr)

Manipulateur de grande taille pour pompe à béton avec dispositif de contrôle muni d'une routine de sécurité, ainsi que procédé de contrôle de la sécurité d'un mât articulé d'un tel manipulateur de grande taille

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Application

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Abstract (en)

[origin: WO02064912A1] The invention relates to a device for monitoring the safety of a bending pole (22) in a large manipulator, whereby the arms (23 - 27) of the mast can be pivoted in relation to each other by means of a drive unit (34 - 38). The relative position of the arms of the mast in relation to the respective adjacent arm of the mast or frame of the mast (21) is measured for adjusting the position thereof. According to the invention, the positioning measuring values (ei) of the arms of the mast are used in order to control the safety of the drive units (34 38) or the actuators thereof (80 84) in relation to a variation of predefined safety values.

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E04G 21/04

IPC 8 full level

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