

Title (en)

LARGE-SCALE MANIPULATOR COMPRISING A VIBRATION DAMPER

Title (de)

GROSSMANIPULATOR MIT SCHWINGUNGSDÄMPFER

Title (fr)

GRAND MANIPULATEUR POURVU D'UN AMORTISSEUR DE VIBRATIONS

Publication

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Application

**EP 01945335 A 20010704**

Priority

- DE 10046546 A 20000919
- EP 0107617 W 20010704

Abstract (en)

[origin: WO0225036A1] The invention relates to a large-scale manipulator, especially of concrete pumps. Said large-scale manipulator has a bending mast (22) which consists of at least three mast arms (23 to 27) and which is preferably configured as a concrete spreader mast. The arms of said mast are each pivotable to a limited extent about horizontal, bending axes (28 to 32) which are parallel to each other, by means of a drive aggregate (34 to 38), respectively. A control device (50, 62, 52) for moving the mast with the help of actuating mechanisms that are allocated to the individual drive aggregates, and means for damping mechanical vibrations in the bending mast are also provided.

IPC 8 full level

**E04G 21/04** (2006.01)

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Cited by

DE102017118274A1; WO2019029957A1; DE102018104491A1; DE102019107833A1; WO2019166330A1; US11840426B2; WO2020193601A1; US10788055B2

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