

Title (en)

METHOD AND SYSTEM FOR THE HYDRAULIC CONTROL OF A CONCRETE PLACING BOOM

Title (de)

VERFAHREN UND SYSTEM ZUR HYDRAULISCHEN STEUERUNG EINES BETONVERTEILERMASTS

Title (fr)

PROCÉDÉ ET SYSTÈME DE COMMANDE HYDRAULIQUE D'UN MÂT DISTRIBUTEUR DE BÉTON

Publication

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Application

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Priority

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- EP 2019060499 W 20190424

Abstract (en)

[origin: WO2019206988A1] The invention relates to a method and a system for the hydraulic control of a concrete placing boom (14) comprising a plurality of boom arms (16), wherein hydraulic drive cylinders (18) for the boom arms (16), which are connected to one another in an articulated manner, are controlled by a hydraulic circuit (34), wherein a supply pressure is supplied via a hydraulic pump (32) to the hydraulic circuit (34), and wherein a pressure signal is captured in the drive cylinders (18) by at least one pressure sensor (38) in each case. According to the invention, the maximum pressure in the drive cylinders (18) is determined from the pressure signals and the supply pressure is adjusted by an electronic control unit (36) according to the maximum pressure.

IPC 8 full level

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Citation (search report)

See references of WO 2019206988A1

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**DE 102018109789 A1 20191024**; CN 112272725 A 20210126; CN 112272725 B 20220419; EP 3784850 A1 20210303; JP 2021518896 A 20210805; KR 20210005874 A 20210115; US 11118362 B2 20210914; US 2021017776 A1 20210121; WO 2019206988 A1 20191031

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