

Title (en)
CONCRETE DISTRIBUTING BOOM FOR CONCRETE PUMPS

Title (de)
VERTEILERMAST FÜR BETONPUMPEN

Title (fr)
MAT DISTRIBUTEUR POUR POMPES A BETON

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Application
EP 00993330 A 20001024

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Abstract (en)
[origin: WO0142591A1] The invention relates to a concrete distributing boom for mobile and stationary concrete pumps. The inventive boom is provided with a substructure (14, 14', 14''), a pillow block (32) that can be rotated around a vertical axis on the substructure and a stack of arms (16) consisting of several mast arms (34, 34', 34'') that can be pivoted against each other. The first mast arm (34) is articulated to a hinge (36) of the pillow block (32). Moreover, a drive mechanism (38) is provided that is provided with a driving pinion (42) for rotatably driving the pillow block (32). Said pinion (42) can preferably be rotated around a vertical axis by means of toothed racks (40). The aim of the invention is to enable to easily change masts between different substructures (14, 14', 14''). The pillow block (32) that is connected to the stack of arms (16) can be detachably coupled to the driving pinion (42) which is arranged in the substructure.

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Citation (search report)
See references of WO 0142591A1

Cited by
DE102012224527A1; DE102013203886A1; DE102013203885A1; DE102012224529A1; JP2016509144A; RU2638674C2; WO2014135297A1; WO2014102169A1; WO2014135426A1; US9371657B2; US9290955B2; US9546649B2

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