

Title (en)  
ARTICULATED MAST FOR MOVABLE CONCRETE PUMPS

Title (de)  
KNICKMAST F R FAHRBARE BETONPUMPEN

Title (fr)  
MAT ARTICULE POUR POMPES A BETON TRANSPORTABLES

Publication  
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Application  
**EP 04739581 A 20040604**

Priority  
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Abstract (en)  
[origin: WO2004113647A1] Disclosed is a movable concrete pump comprising at least five mast arms (1 to 7) which are pivotable relative to each other about rotating shafts (B to G) that are horizontal relative to each other. The first respective mast arm is hinged to a mast stand (22) so as to be pivotable about another rotating shaft (A), said mast stand being rotatable about a vertical axis (20), while one end of the last mast arm has no joint. In order to be able to add other mast arms in a modular manner, a first Z-type folding group comprising the last three mast arms, a first roller-type folding group comprising the penultimate, third to last, and fourth to last mast arm, and a second Z-type folding group encompassing the third to last, fourth to last, and fifth to last mast arm are provided in a preferred embodiment. Said basic configuration can be complemented with additional mast arms by having a sixth to last mast arm form a Z-type folding group consisting of four mast arms along with the third to last, fourth to last, and fifth to last mast arm while a seventh to last mast arm forms a second roller-type folding group together with the fifth to last and sixth to last mast arm.

IPC 8 full level  
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