

Title (en)

ANGLED BOOM COMPRISING VARIABLE CROSS-SECTION FOR MOBILE CONCRETE PUMPS

Title (de)

GEKRÖPFTER AUSLEGERARM AUS FASERVERBUNDMATERIAL MIT VERÄNDERLICHEM QUERSCHNITT FÜR MOBILE BETONPUMPEN UND BETONPUMPE

Title (fr)

BRAS EN PORTE-À-FAUX COUDÉ À SECTION TRANSVERSALE VARIABLE POUR POMPES À BÉTON MOBILES

Publication

**EP 3622133 B1 20220420 (DE)**

Application

**EP 18725450 A 20180509**

Priority

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Abstract (en)

[origin: WO2018206703A1] The invention relates to a boom (5) for mobile concrete pumps (1) and to a mobile concrete pump (1). The boom (5) has a first and a second end (10, 11), and between the first and the second end (10, 11) of the boom (5) there is at least one angled section (12) in which main bending loads occurring during proper use are effective as torsional loads. The boom consists of composite fibre material. Away from the angled region (12), the height (h) of the boom (5) in cross section is greater than the width (b) of the boom (5) in cross section, and in the angled region (12), the width (b) of the boom (12) in cross section is greater than or equal to the height (h) of the boom (5) in cross section (5). The invention also relates to a concrete pump (1) having a distribution boom (2) which is arranged on an undercarriage (3) and comprises at least two booms (5), at least one of which is designed according to the invention.

IPC 8 full level

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