

Title (en)
Crane tower with counterweight

Title (de)
Kranmast mit Gegengewicht

Title (fr)
Mât de grue avec potence de lestage

Publication
EP 1927570 B1 20110706 (FR)

Application
EP 07356131 A 20070928

Priority
FR 0610393 A 20061128

Abstract (en)
[origin: EP1927570A1] The mast (4) has a ballast jib (15) with a rigid jib arm (16) articulated around a vertical axis on the mast. A slanted tie rod (17) connects the mast to a vertical end cap (22) of the arm, where the cap carries a pulley (25) for the passage of a cable (41) utilizable for lifting a concrete ballast block (14). The arm is coupled to an oriented hydraulic jack (31) possessing power supply such as hydro-electric power station (36), for allowing the jib to be motorized, autonomous and dismountable. A gas spring (23) pivots a rigid bar (19) relative to the arm in a predetermined direction.

IPC 8 full level
B66C 23/34 (2006.01); **B66C 23/74** (2006.01)

CPC (source: EP)
B66C 23/342 (2013.01); **B66C 23/74** (2013.01)

Cited by
CN112660327A; EP4056517A1; FR3120619A1; EP4056516A1; FR3120618A1; US11916433B2

Designated contracting state (EPC)
DE ES IT

DOCDB simple family (publication)
EP 1927570 A1 20080604; EP 1927570 B1 20110706; ES 2368766 T3 20111122; FR 2909082 A1 20080530; FR 2909082 B1 20090109

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