

Title (en)
Electro-hydraulic self-propelled crane actuated by battery

Title (de)
Elektrohydraulischerselbstfahrender Kran mit Batteriebetrieb

Title (fr)
Grue automoteur électro-hydraulique actionnée par batterie

Publication
EP 0860395 A3 19990217 (FR)

Application
EP 98102684 A 19980217

Priority
IT TO970140 A 19970220

Abstract (en)
[origin: EP0860395A2] The vehicle engine crane comprises a base (A) consisting of a chassis with two spaced arms (1) on the ends of which are wheels (3). There are also two lateral stabilisers (32) which are adjustable, and a single drive wheel (4) mounted at the foot of a steering lever (5,6) by which the unit can be manoeuvred. Above the chassis there is a framework (8) made of tubular metal supporting a section (9) within which a structure (B) is articulated. This structure includes two supports (12,13) which in turn carry the main lifting arm (17) via articulated joints. The main arm is extended by two further sections (19,24). Energy is provided by two rechargeable batteries (36) powering an electro-hydraulic unit which operates a jack (33) to lift the crane jib.

IPC 1-7
B66C 23/48

IPC 8 full level
B66C 23/48 (2006.01); **B66C 23/70** (2006.01); **B66C 23/90** (2006.01)

CPC (source: EP)
B66C 23/48 (2013.01); **B66C 23/702** (2013.01); **B66C 23/90** (2013.01)

Citation (search report)
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• [A] DE 3340437 A1 19850515 - HOWALDTSWERKE DEUTSCHE WERFT [DE]
• [A] US 5348172 A 19940920 - WILSON FREDERICK F K [US]
• [A] US 5178508 A 19930112 - TAUER ROLAND J [US]
• [A] US 4453672 A 19840612 - GARNETT EDWARD V [US]

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