

Title (en)
Hoisting device with running gear, having negligible oscillation under braking

Title (de)
Hebezeug mit Fahrwerk und geringer Pendelung beim Bremsen

Title (fr)
Dispositif de levage avec train de roulement et faible oscillation pendant le freinage

Publication
EP 0733581 B1 20020807 (DE)

Application
EP 96103257 A 19960302

Priority
DE 19510786 A 19950324

Abstract (en)
[origin: EP0733581A2] The armature shaft (3) of the universal motor (2) is coupled to the input shaft (4) of the reduction gear (5) driving the wheels (7) on running rails (8). A triac (22) feeding the motor is gated by a regulator (24) responsive to a wheel speed sensor (27) and a microprocessor (28) commanded by switches (34). The control extends to a driver (17) of another triac (16) or relay activating an electromagnetic disc brake (13,11). While forward speed is being reduced the brake is released so that the crane is slowed only by its internal friction and running rail resistance.

IPC 1-7
B66C 13/06; **B66C 13/30**; **B60L 7/26**; **B66F 9/24**; **B66D 5/14**

IPC 8 full level
B66C 13/22 (2006.01); **B60L 7/26** (2006.01); **B66C 13/06** (2006.01); **B66C 13/30** (2006.01); **B66D 5/14** (2006.01); **B66F 9/24** (2006.01)

CPC (source: EP US)
B66C 13/063 (2013.01 - EP US); **B66C 13/30** (2013.01 - EP US)

Cited by
CN105473490A; CN105217455A; US10227011B2; WO2015001184A1

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EP 0733581 A2 19960925; **EP 0733581 A3 19971126**; **EP 0733581 B1 20020807**; AT E221852 T1 20020815; DE 19510786 A1 19960926; DE 19510786 C2 19970410; DE 59609523 D1 20020912; JP H08268684 A 19961015; US 5751126 A 19980512

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