

Title (en)
Crane with overload protection

Title (de)
Kran mit Überlastsicherung

Title (fr)
Grue avec protection contre les surcharges

Publication
EP 2527286 B1 20150708 (DE)

Application
EP 12003877 A 20120516

Priority
DE 102011105819 A 20110527

Abstract (en)
[origin: EP2527286A1] The crane (10) has a rotating mechanism that is held in a position by applying the holding-torque of hydraulic slewing drive unit. A detection unit of an overload safety device detects the radius and/or position of the crane hook. The overload safety device is provided with a pressure relief valve. The pressure relief valve is controlled by the hydraulic slewing drive unit based on the radius and/or position of the crane hook.

IPC 8 full level
B66C 23/86 (2006.01); **B66C 23/90** (2006.01); **B66C 23/94** (2006.01)

CPC (source: EP US)
B66C 23/86 (2013.01 - EP US); **B66C 23/905** (2013.01 - EP US); **B66C 23/94** (2013.01 - EP US)

Cited by
CN111943048A; WO2014161636A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 2527286 A1 20121128; EP 2527286 B1 20150708; CN 202671076 U 20130116; DE 102011105819 A1 20121129;
US 11192762 B2 20211207; US 2012298608 A1 20121129

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