

Title (en)

Crane with boom and raceway for cable roller assemblies

Title (de)

Kran mit Ausleger und Laufbahn für den Leitungswagen

Title (fr)

Grue dotée d'un bras et d'une bande de déroulement pour les chariots porte câbles

Publication

EP 1840072 A3 20081112 (DE)

Application

EP 07004412 A 20070303

Priority

DE 102006015430 A 20060331

Abstract (en)

[origin: EP1840072A2] The crane has a boom (2), which is arranged at a fixed raceway and a movable raceway (5) for a cable roller assembly (9). The two raceways are arranged and engaged into each other in a form-fit manner. The fixed and movable raceways are connected with the crane and the boom, respectively. The movable raceway is suspended by a groove-spring connection, which carries weight of the movable raceway and the cable roller assembly. A spring (6) is arranged between the movable raceway and the boom, where the two raceways are separated along a movement direction of the cable roller assembly.

IPC 8 full level

B66C 7/06 (2006.01); **B66C 19/00** (2006.01); **E01B 25/24** (2006.01)

CPC (source: EP KR US)

B66C 7/00 (2013.01 - KR); **B66C 7/06** (2013.01 - EP US); **B66C 7/14** (2013.01 - KR); **B66C 17/00** (2013.01 - KR); **B66C 19/002** (2013.01 - EP US); **Y10S 414/131** (2013.01 - EP US)

Citation (search report)

- [Y] US 3722705 A 19730327 - GOULD C
- [Y] EP 0860394 A2 19980826 - MANNESMANN AG [DE]
- [DA] DE 19713489 A1 19980924 - KE KRANBAU EBERSWALDE GMBH [DE]

Cited by

FR3003553A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1840072 A2 20071003; **EP 1840072 A3 20081112**; **EP 1840072 B1 20100922**; AT E482169 T1 20101015; CN 101045513 A 20071003; CN 101045513 B 20100728; DE 102006015430 A1 20071004; DE 502007005120 D1 20101104; KR 20070098393 A 20071005; US 2007227996 A1 20071004; US 7516857 B2 20090414

DOCDB simple family (application)

EP 07004412 A 20070303; AT 07004412 T 20070303; CN 200610107480 A 20060725; DE 102006015430 A 20060331; DE 502007005120 T 20070303; KR 20060066230 A 20060714; US 63620906 A 20061208