

Title (en)
Crane ballasting device

Title (de)
Vorrichtung zum Ballastieren eines Krans

Title (fr)
Dispositif de lestage pour grue

Publication
EP 1473267 B1 20060426 (FR)

Application
EP 04356038 A 20040316

Priority
FR 0305362 A 20030430

Abstract (en)
[origin: EP1473267A1] The device has a gripper (2) for handling stackable ballast blocks (3), and a connecting unit placed between the gripper and a block. The unit has two opposite gripping hooks assembled in region of ends of a swing bar of the gripper and cooperates with transverse axis of the block. A back part of each hook is attached to a sling by which the gripper is suspended at a hoisting cable, where each hook is associated to a bolt.

IPC 8 full level
B66C 1/14 (2006.01); **B66C 23/74** (2006.01); **B66C 1/00** (2006.01); **B66C 1/10** (2006.01); **B66C 1/28** (2006.01); **B66C 1/62** (2006.01)

CPC (source: EP KR US)
B66C 23/74 (2013.01 - EP KR US)

Cited by
CN108840221A; BE1023013B1; CN103354882A; CN110790160A

Designated contracting state (EPC)
CH DE ES IT LI

DOCDB simple family (publication)
EP 1473267 A1 20041103; EP 1473267 B1 20060426; DE 602004000726 D1 20060601; DE 602004000726 T2 20070516; ES 2264102 T3 20061216; FR 2854393 A1 20041105; FR 2854393 B1 20050617; JP 2004331396 A 20041125; KR 20040094312 A 20041109; RU 2004113257 A 20051020; RU 2336221 C2 20081020; US 2004256342 A1 20041223; US 7093729 B2 20060822

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EP 04356038 A 20040316; DE 602004000726 T 20040316; ES 04356038 T 20040316; FR 0305362 A 20030430; JP 2004107438 A 20040331; KR 20040025660 A 20040414; RU 2004113257 A 20040428; US 81203304 A 20040330