

Title (en)
Crane ballast system

Title (de)
Kranballastierungssystem

Title (fr)
Systeme de contrepoids d'une grue

Publication
EP 1607364 B1 20090722 (DE)

Application
EP 05012159 A 20050606

Priority
DE 202004009497 U 20040616

Abstract (en)
[origin: EP1607364A2] The system has a balance unit with an uninterrupted opening. An installation device has an elongate unit (11) that is to be guided through the opening. A lifting device lifts the entire installation device. The opening in the balance unit and the device are equipped with connection devices that lock into each other. The installation device has a slide shaft and a centering device tapered into a tip pointing downward.

IPC 8 full level
B66C 23/72 (2006.01); **B66C 23/74** (2006.01)

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

Cited by
EP1939135A3; DE202010004342U1; DE202010004584U1; DE102011016015A1; DE102011016015B4

Designated contracting state (EPC)
DE FR IT

DOCDB simple family (publication)
EP 1607364 A2 20051221; EP 1607364 A3 20060809; EP 1607364 B1 20090722; CN 1736843 A 20060222; DE 202004009497 U1 20051103; DE 502005007739 D1 20090903; JP 2006001745 A 20060105; US 2005284834 A1 20051229

DOCDB simple family (application)
EP 05012159 A 20050606; CN 200510077990 A 20050616; DE 202004009497 U 20040616; DE 502005007739 T 20050606; JP 2005176715 A 20050616; US 15429105 A 20050615