

Title (en)
Crane installation for a container.

Title (de)
Containerkrananlage.

Title (fr)
Installation de grue pour conteneur.

Publication
EP 0342655 B1 19941221 (DE)

Application
EP 89108887 A 19890517

Priority
DE 3816988 A 19880518

Abstract (en)
[origin: EP0342655A2] In a crane installation for a container, pendulum movements during the lowering of the spreader are suppressed by a method wherein the spreader, after reaching the particular intended position of the carrier, is brought into contact with the traveller, in a manner such as to damp the pendulum movement. According to a further embodiment, the location of the spreader relative to the intended point of contact is determined by a remote detection system provided on the spreader. <IMAGE>

IPC 1-7
B66C 13/06; **B66C 13/46**; **B66C 19/00**

IPC 8 full level
B65G 63/00 (2006.01); **B66C 13/06** (2006.01); **B66C 13/22** (2006.01); **B66C 13/46** (2006.01); **B66C 13/48** (2006.01); **B66C 19/00** (2006.01)

CPC (source: EP US)
B66C 13/063 (2013.01 - EP US); **B66C 13/46** (2013.01 - EP US); **B66C 19/002** (2013.01 - EP US)

Citation (examination)
US 4172685 A 19791030 - KAWASAKI HIROSHI [JP], et al

Cited by
KR100717910B1; US6081292A; FR2669317A1; DE4416707A1; CN104129712A; DE4405525A1; EP0668236A1; CN109790001A; DE4190587C2; DE19725315A1; DE19725315C2; US5443566A; EP0677478A3; US5729453A; US6124932A; FR2703347A1; EP0464256A1; EP0596330A1; US5491549A; FR2706438A1; BE1008089A3; EP0668237A1; DE4405683A1; EP0440915A1; US5067013A; EP0820957A1; FR2751628A1; DE4423797A1; NL1000718C2; DE4423797C2; US5931625A; US7031883B1; US6182843B1; WO2009043789A1; WO9531395A1; WO2015007377A1; WO9114644A1; WO0181231A1; WO9420404A1; WO9009336A1; WO9737926A1; WO9219526A1; WO0048937A1; WO9938791A1; WO9405586A1

Designated contracting state (EPC)
BE DE FR GB IT NL

DOCDB simple family (publication)
EP 0342655 A2 19891123; **EP 0342655 A3 19900228**; **EP 0342655 B1 19941221**; DE 3816988 A1 19891130; DE 58908789 D1 19950202; HK 123095 A 19950804; JP H0218295 A 19900122; US 5048703 A 19910917

DOCDB simple family (application)
EP 89108887 A 19890517; DE 3816988 A 19880518; DE 58908789 T 19890517; HK 123095 A 19950727; JP 12301989 A 19890518; US 34924889 A 19890508