

Title (en)  
Arrangement for positioning crane-loads

Title (de)  
Anordnung zur Lastpositionierung bei Kranen

Title (fr)  
Arrangement pour positioner des charges de grue

Publication  
**EP 0668236 B1 19990519 (DE)**

Application  
**EP 95101562 A 19950206**

Priority  
DE 4405231 A 19940218

Abstract (en)  
[origin: EP0668236A1] A travelling crane has a grab (5) for picking up goods, equipped with laser distance sensors (21) to measure the position of the load's outer edges relative to the ground, or target position. This is done with the help of mirrors (26). With regard to the transport direction, there is one sensor both fore and aft. As the load swings during transport, its bottom edge cuts or leaves the field of vision of each sensor. The sensors are connected to equipment (43) which is used to "lock the load". The mirrors are held in position by springs (51). On the grab are collision monitors which can automatically deflect the mirrors.

IPC 1-7  
**B66C 13/46**; **B66C 13/06**; **B66C 15/04**

IPC 8 full level  
**B66C 13/06** (2006.01); **B66C 13/46** (2006.01); **B66C 15/04** (2006.01)

CPC (source: EP)  
**B66C 13/063** (2013.01); **B66C 13/46** (2013.01); **B66C 15/045** (2013.01)

Cited by  
US10414636B2; US2016122161A1; CN107758520A; NL2016192B1; DE102013011718A1; CN110361970A; CN112960550A; CN108689300A; CN113135438A; EP0820957A1; FR2751628A1; EP2986549A4; EP3447533A1; CN117105092A; CN105492365A; EP3003953A4; US10981757B2; US6256553B1; US9618444B2; WO9718153A1; WO2012113465A1; WO2017135819A1; WO03016194A1; WO2014170554A1; US9783394B2; WO2014191618A1

Designated contracting state (EPC)  
CH DE FR GB LI NL SE

DOCDB simple family (publication)  
**EP 0668236 A1 19950823**; **EP 0668236 B1 19990519**; DE 59505945 D1 19990624

DOCDB simple family (application)  
**EP 95101562 A 19950206**; DE 59505945 T 19950206