

Title (en)  
LIFTING CLAMP

Publication  
**EP 0169362 B1 19880302 (DE)**

Application  
**EP 85107317 A 19850613**

Priority  
DE 3423314 A 19840623

Abstract (en)  
[origin: US4647098A] The hoist clamp has a coupling eye (7) which has a gimbal-type connection by means of the shafts (5,6) to clamp operating crank (14). When a diagonal pull is exerted, the neck (42) of the coupling eye (7) engages against a bracing point (3,4) which is sufficiently high above the shaft (6) to ensure that the lever action provides extra clamping force between the clamps (11,12). When the coupling eye (7) swings about the shaft (5), the coupling eye engages against the upper edges (1,2) of the casing (8), said edges curving outwards, so that additional clamping force is also obtained when the pull exerted is diagonal. Said additional clamping force is only marginally affected by the load (32) held in the load aperture (37).

IPC 1-7  
**B66C 1/48**

IPC 8 full level  
**B66C 1/48** (2006.01)

CPC (source: EP US)  
**B66C 1/48** (2013.01 - EP US)

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

DOCDB simple family (publication)  
**US 4647098 A 19870303**; AT E32697 T1 19880315; AU 4399385 A 19860102; AU 581900 B2 19890309; DD 234658 A5 19860409; DE 3423314 A1 19860102; DE 3561714 D1 19880407; DK 158298 B 19900430; DK 280985 A 19851224; DK 280985 D0 19850621; EP 0169362 A1 19860129; EP 0169362 B1 19880302; ES 544443 A0 19860716; ES 8608443 A1 19860716; FI 78884 B 19890630; FI 78884 C 19891010; FI 852446 A0 19850620; FI 852446 L 19851224; JP S6160593 A 19860328; NO 161309 B 19890424; NO 161309 C 19890802; NO 852508 L 19851227

DOCDB simple family (application)  
**US 74602885 A 19850618**; AT 85107317 T 19850613; AU 4399385 A 19850624; DD 27763585 A 19850621; DE 3423314 A 19840623; DE 3561714 T 19850613; DK 280985 A 19850621; EP 85107317 A 19850613; ES 544443 A 19850621; FI 852446 A 19850620; JP 13621985 A 19850624; NO 852508 A 19850621