

Title (en)  
Hoist

Title (de)  
Hebezeug

Title (fr)  
Appareil de levage

Publication  
**EP 0692447 A1 19960117 (EN)**

Application  
**EP 95500103 A 19950713**

Priority  
ES 9401549 A 19940715

Abstract (en)  
An electric hoist (1) with an electric motor, a gear reducer and a chain (6) with a hook (7), as well as a suspension hook (2) for hanging the said hoist. A completely safe unit is presented, with a device with movable guides (24) that stops the electric motor when any of the chain links (41) are incorrectly positioned, as well as another safety device against overloads arranged on the suspension hook shaft. The unit is completed by the hoist body provided with closing covers, as well as a special bag (3) for the chain, which adjusts to the normal working position of the appliance, and also to its inverted working position. <MATH>

IPC 1-7  
**B66C 1/00**; **B66D 3/26**; **B66D 1/58**; **B66D 3/22**

IPC 8 full level  
**B66D 1/58** (2006.01); **B66D 3/22** (2006.01); **B66D 3/26** (2006.01)

CPC (source: EP)  
**B66D 1/58** (2013.01); **B66D 3/22** (2013.01); **B66D 3/26** (2013.01)

Citation (search report)  
• [Y] EP 0118302 A1 19840912 - ELEPHANT CHAIN BLOCK CO [JP]  
• [Y] FR 1376972 A 19641031 - FRIES GMBH HEINRICH DE  
• [Y] US 3262581 A 19660726 - LINOWIECKI ANTHONY G  
• [A] DE 3710331 A1 19881013 - STAHL R FOERDERTECH GMBH [DE]  
• [A] DE 1431962 A1 19690529 - HOFFMANN & CO KG  
• [A] GB 846593 A 19600831 - DONALD MAYER KING  
• [A] US 3424436 A 19690128 - GREGO THOMAS E

Cited by  
EP2689831A1; EP3406561A1; CN110386565A; CN104773666A; CN102556847A; EP2876077A1; JPWO2021181820A1; CN116513994A; US10865939B1; EP0950632A3; EP2921447A3; AT14604U1; WO2015075238A1; WO2021181820A1

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