Title (en)

SAFETY DEVICE FOR MECHANICAL MOTOR DRIVEN SYSTEMS OPERATING WITH RODS AND/OR CABLES

Title (de)

SICHERUNGSVORRICHTUNG FÜR MECHANISCH-MOTORISCH BEWEGTE, MIT GESTÄNGEN UND/ODER SEILZÜGEN ARBEITENDE EINRICHTUNGEN

Title (fr)

DISPOSITIF DE SECURITE POUR SYSTEMES DEPLACES MECANIQUEMENT PAR MOTEUR, FONCTIONNANT AVEC DES BARRES ET/OU DES CABLES

Publication

EP 0885378 A1 19981223 (DE)

Application

EP 97915330 A 19970304

Priority

- DE 9700400 W 19970304
- DE 19608418 A 19960305

Abstract (en)

[origin: WO9733144A1] The disclosure concerns a safety device for mechanical motor-driven systems operating with rods and cables, such as devices used for moving stage or studio lights, suspended telescopes, pantographs, point hoists etc. The aim is to make the safety device capable of reacting promptly to an overload or underload and detect changes in the actual load even within the permissible range. To that end, the safety device is provided with a load-measuring device (9) with which the actual load imposed by the system can be measured continuously and an output signal can be generated continuously corresponding to the actual load.

IPC 1-7

G01G 23/00; G01G 19/18

IPC 8 full level

B66D 1/58 (2006.01); **B66F 17/00** (2006.01); **F21S 10/00** (2006.01); **F21V 21/36** (2006.01); **F21V 25/00** (2006.01); **G01G 19/14** (2006.01); **G01G 19/18** (2006.01); **G01G 23/00** (2006.01); **G01L 5/04** (2006.01); F21W 131/406 (2006.01)

CPC (source: EP KR)

G01G 19/18 (2013.01 - EP); **G01G 23/00** (2013.01 - KR); **G01G 23/005** (2013.01 - EP); **G01L 5/047** (2013.01 - EP)

Citation (search report)

See references of WO 9733144A1

Designated contracting state (EPC)

BE CH DE ES FI FR GB IE IT LI NL

DOCDB simple family (publication)

WO 9733144 A1 19970912; CN 1118689 C 20030820; CN 1212050 A 19990324; EP 0885378 A1 19981223; JP 3142579 B2 20010307; JP H11506208 A 19990602; KR 19990087514 A 19991227

DOCDB simple family (application)

DE 9700400 W 19970304; CN 97192427 A 19970304; EP 97915330 A 19970304; JP 53134497 A 19970304; KR 19980706946 A 19980904