

Title (en)

LOAD BALANCING FOR A WINCH WITH TWO PULL WIRES AND WINCH EQUIPPED WITH SAME

Title (de)

KRAFTAUSGLEICHSVORRICHTUNG FÜR EINE ZWEISEILENWINDE UND WINDE MIT SOLCHER VORRICHTUNG

Title (fr)

DISPOSITIF D'EQUILIBRAGE D'EFFORTS POUR UN TREUIL A DEUX CABLES DE TRACTION ET TREUIL MUNI D'UN TEL DISPOSITIF

Publication

**EP 1232113 A1 20020821 (FR)**

Application

**EP 00969150 A 20001027**

Priority

- CH 0000576 W 20001027
- CH 213999 A 19991123

Abstract (en)

[origin: WO0138217A1] The invention concerns a load balancing device (4, 5) consisting of a planetary or trochoidal mechanical differential speed reducer, arranged on a winch (3) comprising two drums (32, 33, 36, 37) and enabling to balance the torque exerted on the drums. Thus, if a cable (210, 211, 220, 221) is improperly wound on one of the drums the balancing device enables the tensile load exerted on each wire to remain identical. Such a device is particular efficient to ensure security for a working platform (10) operating on a building façade (10).

IPC 1-7

**B66D 1/22**; B66D 1/26; E04G 3/00; B66D 1/60

IPC 8 full level

**B66D 1/22** (2006.01); **B66D 1/26** (2006.01); **B66D 1/60** (2006.01); **E04G 3/32** (2006.01)

CPC (source: EP US)

**B66D 1/22** (2013.01 - EP US); **B66D 1/26** (2013.01 - EP US); **B66D 1/605** (2013.01 - EP US); **E04G 3/32** (2013.01 - EP US)

Citation (search report)

See references of WO 0138217A1

Cited by

EP3070045A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0138217 A1 20010531**; AT E260220 T1 20040315; AU 7897200 A 20010604; CN 1244487 C 20060308; CN 1391530 A 20030115; DE 60008576 D1 20040401; DE 60008576 T2 20041223; EP 1232113 A1 20020821; EP 1232113 B1 20040225; ES 2213613 T3 20040901; HK 1050352 A1 20030620; JP 2003514739 A 20030422; JP 5014545 B2 20120829; US 6688582 B1 20040210

DOCDB simple family (application)

**CH 0000576 W 20001027**; AT 00969150 T 20001027; AU 7897200 A 20001027; CN 00816054 A 20001027; DE 60008576 T 20001027; EP 00969150 A 20001027; ES 00969150 T 20001027; HK 03102555 A 20030409; JP 2001539781 A 20001027; US 13077402 A 20020522