

Title (en)
Winch

Title (de)
Hubwinde

Title (fr)
Treuil

Publication
EP 1247778 A3 20060412 (DE)

Application
EP 02000979 A 20020116

Priority
DE 10116342 A 20010402

Abstract (en)
[origin: EP1247778A2] The lifting winch has a rotatably mounted drum (12) and a drive (16) by which the drum is rotated for winding a cable (11) onto it and off it. A control unit and measurement unit continuously determine the momentary tensile force on the cable. When the tensile force falls below a predetermined residual tensile force the power of the drive is corresponding reduced by the control unit and adjusted, whereby the tensile force is kept below the residual tensile force by regulation. An Independent claim is included for a procedure for the operation of a lifting winch.

IPC 8 full level
B66D 1/50 (2006.01); **B66D 1/08** (2006.01); **G01G 19/18** (2006.01)

CPC (source: EP)
B66D 1/08 (2013.01); **B66D 1/50** (2013.01)

Citation (search report)

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- [X] PATENT ABSTRACTS OF JAPAN vol. 018, no. 138 (M - 1573) 8 March 1994 (1994-03-08)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 02 31 March 1995 (1995-03-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 386 (M - 1641) 20 July 1994 (1994-07-20)

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Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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EP 1247778 A2 20021009; EP 1247778 A3 20060412; EP 1247778 B1 20070328; AT E358099 T1 20070415; DE 10116342 A1 20021024; DE 10116342 C2 20030227; DE 50209812 D1 20070510; HK 1050351 A1 20030620

DOCDB simple family (application)
EP 02000979 A 20020116; AT 02000979 T 20020116; DE 10116342 A 20010402; DE 50209812 T 20020116; HK 03102500 A 20030408