

Title (en)
METHOD FOR INSPECTING SAFETY CATCHES

Title (de)
VERFAHREN ZUR BERPR FUNG VON FANGVORRICHTUNGEN

Title (fr)
PROCEDE POUR VERIFIER DES PARACHUTES

Publication
EP 1592634 B1 20070606 (DE)

Application
EP 04710776 A 20040213

Priority
• DE 2004000261 W 20040213
• DE 10306375 A 20030215

Abstract (en)
[origin: WO2004071924A1] A method for inspecting safety catches (6) on cable elevator installations (1), which are provided for catching an elevator car (2) of an elevator installation (1), comprises three steps: actuation of the catching device (6) during a measuring run with a defined mass (mp) of the elevator car (2) and measuring and recording the dynamic cable force (Tdyn), which acts upon the at least one cable (3) holding the elevator car (2), and measuring and recording the acceleration (az) of the elevator car (2) during the catch braking process; determining the dynamic catching force (Fdyn) of the catching device (6) according to formula $F_{dyn} = (m_p * a_Z) - T_{dyn}$; verifying whether the maximum amount (Fmax) of the dynamic catching force (Fdyn) is greater than the force (P) of the elevator car (2) loaded with a maximum payload (mQ), said force (P) being directed downwards when the at least one cable tears, at which gravitational acceleration (g) is $(F_{max} < P = (M_p + m_Q) * g)$.

IPC 8 full level
B66B 5/00 (2006.01)

CPC (source: EP)
B66B 5/0093 (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004071924 A1 20040826; AT E364028 T1 20070615; DE 10306375 B3 20041014; DE 502004004024 D1 20070719;
EP 1592634 A1 20051109; EP 1592634 B1 20070606; ES 2288250 T3 20080101

DOCDB simple family (application)
DE 2004000261 W 20040213; AT 04710776 T 20040213; DE 10306375 A 20030215; DE 502004004024 T 20040213; EP 04710776 A 20040213;
ES 04710776 T 20040213