

Title (en)
METHOD FOR INSPECTING SAFETY CATCHES

Title (de)
VERFAHREN ZUR BERPR FUNG VON FANGVORRICHTUNGEN

Title (fr)
PROCEDE POUR VERIFIER DES PARACHUTES

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Application
EP 04710776 A 20040213

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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 $F_{dyn} = (m_p \cdot a_Z) - T_{dyn}$; 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 $(F_{max} < P = (M_p + m_Q) \cdot g)$.

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