Description

Energy-efficient lift installation

The invention relates to a method of operating a lift installation, which comprises a control unit and at least one lift cage, in a building with a plurality of storeys.

EP 1876129A1 describes a method for reducing the energy consumption of a lift installation. In that case the lift installation is alternatively brought into an operating mode or a standby mode. The highest energy consumption occurs in the operating mode, whilst the energy consumption in the standby mode is lower. A use criterion of the lift installation, such as the presence of a passenger in a lift cage, is detected by detecting means. In addition, standby criteria, such as periods of time with low traffic incidence, are also ascertained. As long as the standby criteria are not fulfilled, the lift installation is left in the operating mode. As soon as the standby criteria are fulfilled and the use criterion is not fulfilled, the lift installation is brought into the standby mode.

Possibilities for reducing energy consumption of lift installations are discussed by José Alberto Roig, Ana Lorente, Agustin Chiminelli and José Núñez in the article "Bewertung der Umweltverträglichkeit von Aufzügen im Laufe ihrer Nutzungsdauer" in issue 3/2010 of Lift Reports. In that case there is description of, inter alia, methods for measuring or ascertaining the energy consumption or energy consumption values of lift installations.

In the Abstract of the closing report "Energieverbrauch und Einsparpotenziale bei Aufzügen" of Jürg Nipkow of the Swiss Agency for Energy-Efficiency S.A.F.E. (downloadable under www.electricity-research.ch) with the publication number 250057 the author describes the results of a research project concluded at the end of 2005. Various possibilities of energy savings with lifts are discussed.

WO 2010/086290 A1 describes a method for energy-saving operation of a lift installation, wherein the energy consumption of at least one energy consumer of the lift installation is detected, at least one traffic situation of the lift installation is detected, at least one energy consumption value is ascertained for the detected energy consumption and the detected traffic situation and the ascertained energy consumption value is output on at least one output means.

Description

ENERGY EFFICIENT ELEVATOR INSTALLATION

The invention relates to a method of operating a lift installation, which comprises a control unit and at least one lift cage, in a building with a plurality of storeys.

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