Title (en)

SAFETY CIRCUIT FOR ELEVATOR DOORS

Title (de)

SIECHERHEITSKREIS FÜR AUFZUGSTÜREN

Title (fr)

CIRCUIT DE SECURITE POUR PORTES D'ASCENSEURS

Publication

EP 1427662 B1 20051214 (DE)

Application

EP 02754113 A 20020911

Priority

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- CH 0200498 W 20020911
- EP 01810903 A 20010918

Abstract (en)

[origin: WO03024856A1] The invention concerns an elevator system (10) comprising an elevator car (12) mobile in an elevator cage by means of a driving unit (14), a control (16) for controlling the driving unit (14), a data bus (22) connected to the control (16), elevator doors (11) for closing the elevator cage, locking devices (18) for locking the elevator doors (11) on the cage side and locking sensors (20) for monitoring the position of the locking devices (20). The locking sensors (20) are connected to the control (16) via the data bus (22). The locking sensors (20) are automatically queried by the control (16) via the data bus (22) iteratively at short intervals so that communication interruptions or transmission errors during transmissions via the data bus can be detected. To test the function of the locking sensors (20) and the bus interfaces, the state of the locking sensors (20) is automatically queried at long intervals iteratively in conditions of closed elevator doors and open elevator doors, then made available to the control (14) via the data bus (22).

IPC 1-7

B66B 13/22

IPC 8 full level

B66B 1/00 (2006.01); **B66B 13/22** (2006.01)

CPC (source: EP KR US)

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Cited by

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WO 03024856 A1 20030327; AT E312791 T1 20051215; CA 2458460 A1 20030327; CA 2458460 C 20101207; CN 1274575 C 20060913; CN 1555338 A 20041215; DE 50205296 D1 20060119; EP 1427662 A1 20040616; EP 1427662 B1 20051214; HK 1066781 A1 20050401; JP 2005502567 A 20050127; JP 4334346 B2 20090930; KR 100953851 B1 20100420; KR 20040029179 A 20040403; RU 2004111685 A 20050427; RU 2292297 C2 20070127; US 2004173410 A1 20040909; US 7500650 B2 20090310

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