

Title (en)

Device for the monitoring of safety-relevant processes in machines

Title (de)

Vorrichtung zur Überwachung von sicherheitsrelevanten Vorgängen an Maschinen

Title (fr)

Dispositif pour la surveillance des processus sûreté-appropriés aux machines

Publication

EP 1031420 B1 20040811 (DE)

Application

EP 99103804 A 19990226

Priority

DE 19908230 A 19990225

Abstract (en)

[origin: EP1031420A1] The device has at least one field bus system (2) that connects an operating controller (1), a safety-relevant input/output device (4) and at least one safety monitoring controller (6). The safety input/output device and/or safety monitoring controller is/are mounted on the control/drive elements (9,10) performing the safety-relevant functions in a distributed manner. Independent claim is also included for a method of monitoring safety-relevant processes in drive/control arrangement in machines.

IPC 1-7

B41F 33/00

IPC 8 full level

B41F 33/00 (2006.01); **B42D 15/00** (2006.01)

CPC (source: EP US)

B41F 33/0009 (2013.01 - EP US); **B41F 33/0018** (2013.01 - EP US)

Cited by

DE102008001214B4; DE10227241A1; EP1375140A3; US9188970B2; US6725773B2; EP1375140A2; DE102008001214A1; WO0153099A1; WO2011033027A3; WO2009021901A1

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