

Title (en)

EARLY DETECTION AND RESPONSE TO DEFECTS IN A MACHINE

Title (de)

FRÜHERKENNUNG UND REAKTION AUF FEHLER IN EINER MASCHINE

Title (fr)

DÉTECTION PRÉCOCE D'ERREURS DANS UNE MACHINE ET RÉPONSE CORRESPONDANTE

Publication

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Application

**EP 20829774 A 20201218**

Priority

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Abstract (en)

[origin: WO2021123274A1] The invention relates to a system (10, 110) for early detection and response to defects in a machine (11, 111) comprising a. a machine (11, 111), in particular a machine tool, wherein the machine (11, 111) has detection devices (12-14, 112, 113, 116) for detecting machine-internal signals and a data transmission interface (15) for broadband transmission of the detected machine-internal signals, b. at least one machine-external detection device (17, 18, 117, 118) for detecting at least one machine-external signal, wherein the external detection device (17, 18, 117, 118) has a data transmission interface (19, 20) for broadband transmission of the detected machine-external signal, c. a data processing system (21, 122) having a broadband data transmission interface (22), d. a broadband data transmission channel (23, 123) for signal transmission between the data transmission interfaces (15, 19, 20, 22), e. wherein the data processing system (21, 122) is designed for defect detection using the machine-internal and machine-external signals on the basis of a common time base and for direct influence on the machine (11, 111).

IPC 8 full level

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