

Title (en)
DEVICE AND METHOD FOR THE AUTOMATED DETECTION OF AN INTERFACE

Title (de)
VORRICHTUNG UND VERFAHREN ZUR AUTOMATISIERTEN ERKENNUNG EINER SCHNITTSTELLE

Title (fr)
DISPOSITIF ET PROCÉDÉ D IDENTIFICATION AUTOMATIQUE D UNE INTERFACE

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Abstract (en)
[origin: WO2010069664A1] The present invention relates to a device and to a method for the automated detection of an interface between a position measuring device (10) and a downstream electronic unit (110), which are interconnected by way of a data transmission channel (100), wherein the position measuring device (10) comprises an interface unit (20) and a position measuring unit (30). The interface unit (20) is connected, first, to the data transmission channel (100) and, secondly, to the position measuring unit (30) for the purpose of internal data exchange. In the interface unit (20), the interface to the downstream electronic unit (110) can be selected from at least two interfaces. In the position measuring device (10) there is also an interface detection unit (200), which receives at least one input signal (E1, E2), arriving from the downstream electronic unit (110) by way of the data transmission channel (100), and which comprises means for defining the chronological sequence of signal edges of the at least one input signal (E1, E2) in conjunction with the signal state, and to an evaluation unit (260), in which the interface to the downstream electronic unit (110) can be detected by evaluating the chronological sequence defined and can be selected in the interface unit (20).

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See references of WO 2010069664A1

Citation (examination)
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• US 5416480 A 19950516 - ROACH KEVIN V [US], et al
• EP 1884844 A1 20080206 - SIEMENS AG [DE]

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