

Title (en)

METHOD FOR COMPUTER-SUPPORTED SELECTION OF MACHINE COMPONENTS

Title (de)

VERFAHREN ZUR COMPUTERUNTERSTÜTZTEN AUSWAHL VON MASCHINENKOMPONENTEN

Title (fr)

PROCÉDÉ DE SÉLECTION, ASSISTÉE PAR ORDINATEUR, DE COMPOSANTS DE MACHINE

Publication

EP 3292520 A1 20180314 (DE)

Application

EP 16721160 A 20160506

Priority

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Abstract (en)

[origin: WO2016177882A1] The invention relates to the computer-supported selection of the respective optimal machine component for an application. In the selection, empirical values are collected in order to create a continuously improving system. According to the invention, in order to achieve this: a) features of the machine component and influencing values determining these features are determined; b) possible applications for the machine component are determined; c) for the machine components, the influencing values to be taken into consideration in the application-related selection and designing of the machine component are determined, to which the machine component is subject during application; d) in practical application or via experimental investigations, statements relating to the influencing variables are collected, and information relating to the interactions of the influencing variables is determined from the collected statements; e) the information determined in working step d) is stored as machine-readable data in a database; f) the influencing variables arising during application are formulated for the selection of the machine component that is suitable for the provided application; g) the application and the associated influencing variables are stored as input variables in a selection algorithm running on a computer, which selects the machine component that is optimally suitable for the application, taking into consideration the input variables based on the information stored in the database; and h) the machine component selected in working step g) is supplied for the provided application.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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