Title (en)
METHOD FOR CONTROLLING THE DRIVE OF A MACHINE

Title (de)
VERFAHREN ZUR REGELUNG DES ANTRIEBS EINER MASCHINE

Title (fr)
PROCÉDÉ POUR RÉGLER L'ENTRAÎNEMENT D'UNE MACHINE

Publication
EP 3504062 A1 20190703 (DE)

Application
EP 16760006 A 20160823

Priority
EP 2016069908 W 20160823

Abstract (en)
[origin: WO2018036619A1] A method for controlling the drive of a machine with at least one first rolling element (1'), a surface of which rolls onto a counter-surface at least in partial intervals of a rotational cycle under the effect of a contact force under elastic deformation. A rotational speed correction method, which automatically compensates for deviations, caused by deformation, in the peripheral speed of the first rolling element (1') by adjusting the set point value for the peripheral speed of the first rolling element (1'), and a retrospective method, which automatically compensates for deviations in the rotational speed constancy of the first rolling element (1') within a rotational cycle by applying a correction signal that is determined from the plot of a controlled variable in one or more preceding rotational cycles, are used in combination.

IPC 8 full level
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CPC (source: EP KR US)
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Citation (search report)
See references of WO 2018036619A1

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WO 2018036619 A1 20180301; CA 3034742 A1 20180301; CN 109641448 A 20190416; CN 109641448 B 20211019; DK 3504062 T3 20200727; EP 3504062 A1 20190703; EP 3504062 B1 20200701; JP 2019528196 A 20191010; JP 6982062 B2 20211217; KR 20190037344 A 20190405; US 11241876 B2 20220208; US 2019176463 A1 20190613

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