Title (en)

METHOD OF COMPENSATING THE TORQUE IN A DRIVING APPARATUS OF A PILGER MILL

Publication

EP 0513954 A3 19930113 (DE)

Application

EP 92250121 A 19920513

Priority

DE 4116307 A 19910515

Abstract (en)

[origin: EP0513954A2] The invention relates to a method of compensating the torque at the drive of a pilger mill roll stand, in particular a cold pilger mill roll stand, moved backwards and forwards linearly via a crank mechanism. In order to avoid hitherto existing disadvantages and to provide compensation for torque which reliably and with little constructional outlay avoids generator operation of the motor of the driving apparatus, i.e. torque acting on the motor in the direction of rotation of the motor, it is proposed that the speed curve of the crank mechanism, determined by calculation from the kinematic dimensions, the moving masses and the external loads, be fed to the drive motor as the set point speed curve.

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IPC 8 full level

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Citation (search report)

- [AD] DE 1064461 C
- [AD] DE 2030995 A1 19710107 - VALLOUREC LORRAINE ESCAUT
- [A] DE 2335138 A1 19750123 - MANNESMANN MEER AG
- [A] US 4052898 A 19771011 - MILLER CHARLES LEROY, et al
- [A] DE 3725497 A1 19890209 - SUMITOMO HEAVY INDUSTRIES [JP]
- [A] DE 1263664 B 19680321 - LICENTIA GMBH

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