

Title (en)

METHOD FOR MONITORING A GRINDING SYSTEM AND GRINDING SYSTEM COMPRISING A MONITORING DEVICE

Title (de)

VERFAHREN ZUR ÜBERWACHUNG EINER MAHLANLAGE SOWIE MAHLANLAGE MIT ÜBERWACHUNGSEINRICHTUNG

Title (fr)

PROCÉDÉ DE SURVEILLANCE D'UNE INSTALLATION DE BROYAGE ET INSTALLATION DE BROYAGE ÉQUIPÉE D'UN DISPOSITIF DE SURVEILLANCE

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Application

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Abstract (en)

[origin: WO2010028970A1] The invention relates to a method for monitoring the load state of a grinding system comprising rotating grinding elements, wherein the dynamic forces exerted by the ground material onto the grinding elements are detected in a first frequency range containing the base vibration of the grinding elements and in a second frequency range in which the first harmonic of the base vibration occurs, whereupon actions for reducing the load state are introduced if the first harmonic exceeds a pre-determined threshold relative to the magnitude of the base vibration. Such a method enables a very reliable and precise monitoring of the load state of the grinding system.

IPC 8 full level

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