

Title (en)

METHOD AND APPARATUS FOR MEASURING AND ADJUSTING THE SETTING OF A CRUSHER

Title (de)

VERFAHREN UND VORRICHTUNG ZUM MESSEN UND VERSTELLEN DER EINSTELLUNG EINES BRECHERS

Title (fr)

PROCEDE ET APPAREIL DE MESURE ET DE REGLAGE DES PARAMETRES D'UN BROEUR

Publication

EP 1556168 A1 20050727 (EN)

Application

EP 03735751 A 20030702

Priority

- FI 0300535 W 20030702
- FI 20021327 A 20020705

Abstract (en)

[origin: WO2004004908A1] A method and apparatus are disclosed for measuring and monitoring the setting of a crusher, in which method the erosion of the wearing parts of the crusher are monitored by sensors capable of transmitting the measurement data to the crusher's automatic control system. Based on the received measurement data, the control system adjusts the crusher setting so as to maintain the setting at its predetermined value irrespective of the erosion of the crusher's wearing parts. The invention also relates to alternative embodiments of wear sensors for the wearing parts of a crusher. The measurement data indicating the amount of erosion in the wearing parts is transmitted wirelessly to the exterior side of the crusher.

IPC 1-7

B02C 1/00; **B02C 2/00**; **B02C 7/12**; **B02C 25/00**

IPC 8 full level

B02C 1/02 (2006.01); **B02C 2/04** (2006.01); **B02C 7/14** (2006.01); **B02C 13/09** (2006.01); **B02C 25/00** (2006.01); **B02C 13/18** (2006.01)

CPC (source: EP)

B02C 1/025 (2013.01); **B02C 2/047** (2013.01); **B02C 7/14** (2013.01); **B02C 13/095** (2013.01); **B02C 25/00** (2013.01); **B02C 2013/1871** (2013.01); **B02C 2013/1878** (2013.01)

Citation (search report)

See references of WO 2004004908A1

Cited by

CN113145255A; CN112742591A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004004908 A1 20040115; AU 2003238134 A1 20040123; BR 0312454 A 20050419; CA 2491713 A1 20040115; CN 1674995 A 20050928; EP 1556168 A1 20050727; FI 20021327 A0 20020705; FI 20021327 A 20040106; JP 2005536329 A 20051202; NO 20050643 L 20050404; RU 2005102824 A 20050810; ZA 200500961 B 20061025

DOCDB simple family (application)

FI 0300535 W 20030702; AU 2003238134 A 20030702; BR 0312454 A 20030702; CA 2491713 A 20030702; CN 03818796 A 20030702; EP 03735751 A 20030702; FI 20021327 A 20020705; JP 2004518816 A 20030702; NO 20050643 A 20050204; RU 2005102824 A 20030702; ZA 200500961 A 20030702