Title (en)

METHOD AND DEVICE FOR MONITORING A CUTTING EXTRACTION MACHINE

Title (de)

VERFAHREN UND EINRICHTUNG ZUR ÜBERWACHUNG EINER SCHNEIDENDEN GEWINNUNGSMASCHINE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE SURVEILLANCE D'UNE MACHINE D'ABATTAGE COUPANT

Publication

EP 2242901 B1 20111116 (DE)

Application

EP 08801555 A 20080809

Priority

EP 2008006589 W 20080809

Abstract (en)

[origin: WO2010017823A1] The invention relates to a method and to a device for monitoring the track of a cutting extraction machine (1), which is used in particular in coal mining and can be displaced during longwall mining in a longwall face equipped with face conveyors (9) and longwall advancing (12, 13) along the face (10). The underlying object of the invention is to create a method and a device which make it possible, despite extremely poor visibility conditions, for example in the track of the extraction machine, to detect present obstacles in the form of lowered canopies or drooping folding canopies, sliding canopies or other additions to the lining or overloads of the conveyor in order to take measures for avoiding interruptions in the operation in a timely manner. In order to achieve this object, according to the invention the track of the extraction machine (1) is scanned using a radar measuring device (14) associated with the extraction machine (1) and upon detection of an obstacle an alarm is triggered and/or an invention in the controller of the extraction machine (1) takes place.

IPC 8 full level

E21C 35/24 (2006.01)

CPC (source: EP US)

E21C 35/12 (2013.01 - EP US); **E21C 35/24** (2013.01 - EP US)

Cited by

WO2015031797A1; US9222355B2; US9435201B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2010017823 A1 20100218; AT E533918 T1 20111215; AU 2008356847 A1 20100225; AU 2008356847 B2 20151029; CA 2697618 A1 20100218; CN 101778998 A 20100714; CN 101778998 B 20121121; EA 016425 B1 20120430; EA 201070234 A1 20100630; EP 2242901 A1 20101027; EP 2242901 B1 20111116; HK 1145529 A1 20110421; MX 2010000225 A 20100720; PL 2242901 T3 20120531; SI 2242901 T1 20120430; US 2010194175 A1 20100805; US 8474918 B2 20130702

DOCDB simple family (application)

EP 2008006589 W 20080809; AT 08801555 T 20080809; AU 2008356847 A 20080809; CA 2697618 A 20080809; CN 200880100295 A 20080809; EA 201070234 A 20080809; EP 08801555 A 20080809; HK 10112040 A 20101223; MX 2010000225 A 20080809; PL 08801555 T 20080809; SI 200830550 T 20080809; US 45241508 A 20080809