

Title (en)

Grinding machine with a device for conditioning a grinding machine and procedure for it

Title (de)

Schleifmaschine mit einer Vorrichtung zum Konditionieren einer Schleifscheibe und Verfahren dazu

Title (fr)

Ponceuse dotée d'un dispositif de conditionnement d'une meule et son procédé

Publication

EP 2072182 B1 20100623 (DE)

Application

EP 07123579 A 20071219

Priority

EP 07123579 A 20071219

Abstract (en)

[origin: EP2072182A1] The machine has a conditioning device (11) for profiling, sharpening and cleaning abrasive surfaces (7, 8) of a grinding wheel (2), where the conditioning device consists of a single tool that is designed as a cup-shaped electrode (12). The electrode is rotatably supported on a carriage (14) around a central axis (13), where the carriage adjusts an adjustable working gap (23) between machining surfaces of the electrode and the abrasive surfaces. A spark-erosive discharge occurs in the working gap by application of spark voltage by a spark generator (17). The electrode is made of aluminum. An independent claim is also included for a method for conditioning a cup-shaped grinding wheel in a grinding machine.

IPC 8 full level

B24B 3/34 (2006.01); **B24B 53/00** (2006.01)

CPC (source: EP US)

B24B 3/34 (2013.01 - EP US); **B24B 53/001** (2013.01 - EP US); **B24B 53/062** (2013.01 - EP US)

Cited by

ITMO20100070A1

Designated contracting state (EPC)

CH DE LI

DOCDB simple family (publication)

EP 2072182 A1 20090624; **EP 2072182 B1 20100623**; CN 101462243 A 20090624; CN 101462243 B 20130529; DE 502007004211 D1 20100805; JP 2009184103 A 20090820; JP 5363091 B2 20131211; US 2009163121 A1 20090625; US 8410390 B2 20130402

DOCDB simple family (application)

EP 07123579 A 20071219; CN 200810178091 A 20081219; DE 502007004211 T 20071219; JP 2008322194 A 20081218; US 33518308 A 20081215