

Title (en)

Superfinishing machine with abrasive belt and method for operating same

Title (de)

Superfinishmaschine mit Schleifband und Verfahren zum Betreiben einer Superfinishmaschine

Title (fr)

Machine de super finition dotée d'une bande de meulage et procédé de fonctionnement d'une machine de super finition

Publication

EP 2147745 A1 20100127 (DE)

Application

EP 08013396 A 20080725

Priority

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Abstract (en)

The super finishing machine has a grinding belt (5) and a clamping device (9) for the grinding belt, where the units are formed as an optical system. The optical system comprises a light beam (11), particularly one-way light beam. A laser-light is, particularly used as a light source of the optical system or the light beam with a wavelength of 650 nanometers. One or more light-emitting diodes are used as light source of the optical system or the light beam. Independent claims are included for the following: (1) a grinding belt for a finishing unit; and (2) a method for operating a super finishing machine.

Abstract (de)

Es wird eine Superfinishmaschine ein Schleifband für eine Finisheinrichtung und ein Verfahren zum Betreiben einer Superfinishmaschine vorgeschlagen, mit deren Hilfe die Überwachung eines Schleifbands (5) der Superfinishmaschine möglich ist. Gleichzeitig ist auch ein geregelter Vorschub des Schleifbands (5) möglich, was erhebliche Einsparungen ermöglicht.

IPC 8 full level

B24B 35/00 (2006.01); **B24B 21/00** (2006.01); **B24B 49/12** (2006.01); **B24D 9/00** (2006.01)

CPC (source: EP)

B24B 21/004 (2013.01); **B24B 35/00** (2013.01); **B24B 49/12** (2013.01); **B24D 9/006** (2013.01)

Citation (search report)

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- [Y] DE 4426923 A1 19960201 - GRIESHABER MASCH [DE]
- [Y] WO 0243925 A1 20020606 - 3M INNOVATIVE PROPERTIES CO [US]

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DE102017121293A1; WO2019053128A2; US11236879B2; WO2015124205A1

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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