

Title (en)

METHOD AND APPARATUS FOR MONITORING ABRASIVE MACHINING

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ÜBERWACHUNG VON SCHLEIFBEARBEITUNG

Title (fr)

PROCÉDÉ ET APPAREIL DE SURVEILLANCE DE MACHINES ABRASIVES

Publication

**EP 3290156 A3 20180718 (EN)**

Application

**EP 17184674 A 20170803**

Priority

GB 201614685 A 20160831

Abstract (en)

[origin: EP3290156A2] There is disclosed a method of monitoring abrasion of a component during abrasive machining. The method comprises generating an acceleration signal corresponding to movement of the component or of an abrasive tool in response to abrasive machining of the component by the tool; generating an acoustic emission signal corresponding to acoustic waves emitted from within the component; and determining an abrasion parameter relating to the removal of material from the component based on a set of input variables including the acceleration signal and the acoustic emission signal. There is also disclosed an apparatus for abrasion monitoring and optionally abrasive machining, and a non-transitory machine readable storage medium comprising instructions for abrasion monitoring.

IPC 8 full level

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CPC (source: EP US)

**B24B 37/005** (2013.01 - EP); **B24B 49/003** (2013.01 - EP US); **B24B 49/006** (2013.01 - EP US); **B24B 49/16** (2013.01 - EP US)

Citation (search report)

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- [XA] US 2013189801 A1 20130725 - MOLNAR CHARLES J [US]
- [X] US 2007218806 A1 20070920 - KISTLER RODNEY C [US]

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DOCDB simple family (publication)

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DOCDB simple family (application)

**EP 17184674 A 20170803**; GB 201614685 A 20160831; SG 10201706573R A 20170811; US 201715674751 A 20170811