

Title (en)

TOOL HAVING PREVENTATIVE FRACTURE, BREAKAGE, CRACK AND WEAR DETECTION

Title (de)

WERKZEUG MIT PRÄVENTIVER BRUCH-, AUSBRUCH-, RISS- UND VERSCHLEISSERKENNUNG

Title (fr)

OUTIL DE DÉTECTION PRÉVENTIVE D'USURE, DE RUPTURE, DE CREUX ET DE FISSURES

Publication

**EP 3077154 A1 20161012 (DE)**

Application

**EP 14812161 A 20141203**

Priority

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- EP 2014076407 W 20141203

Abstract (en)

[origin: WO2015082542A1] The invention relates to a method for monitoring a machining tool which is used for machining primarily metal materials, having a cutting tool, wherein the cutting force, the feed force and the passive force during machining are set, and having sensors for measuring forces. In order that machining can be stopped 2 to 60 seconds, preferably 2 to 10 seconds, prior to failure of the cutting body, the invention proposes that the sensors continuously sense at least one of said forces during machining and machining is stopped if a sudden reduction in the sensed force occurs.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2015082542A1

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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