

Title (en)

Super-abrasive machining tool and method of use

Title (de)

Hochabrasiv-Bearbeitungsmaschine und Verfahren zu deren Verwendung

Title (fr)

Machine-outil superabrasive et methode de son utilisation

Publication

EP 1700670 A3 20061018 (EN)

Application

EP 06251319 A 20060313

Priority

US 7767605 A 20050311

Abstract (en)

[origin: EP1700670A2] A super-abrasive machining apparatus utilizes both a means (12) for grinding a workpiece (18) and a means (14) for revolving the workpiece (18) in order to efficiently and cost effectively remove material from a workpiece (18) comprising superalloy materials or even ceramic material. The means (12) for grinding revolves at a much greater velocity than the revolving workpiece (18) to facilitate the removal of material from the workpiece (18). The workpiece (18) may be ground to remove material in order to reduce its diameter or size, to machine features into its surface and/or to impart non-continuous features into its surface.

IPC 8 full level

B24B 5/02 (2006.01); **B24B 7/00** (2006.01)

CPC (source: EP KR US)

B24B 5/02 (2013.01 - EP US); **B24B 49/00** (2013.01 - KR); **B24B 51/00** (2013.01 - EP KR US); **B24B 55/02** (2013.01 - EP US)

Citation (search report)

- [XY] US 4653235 A 19870331 - FARMER STEVEN P [US]
- [Y] EP 1500453 A1 20050126 - UNITED TECHNOLOGIES CORP [US]

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DE112008000549B4; US10335916B2; WO2008106676A1; US8074543B2

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