

Title (en)

Process of geometric construction of a flash for forging a workpiece of complex shape

Title (de)

Verfahren zur geometrischen Konstruktion eines Grats eines geschmiedeten Werkstückes mit komplexer Form

Title (fr)

Procédé de construction géométrique d'un cordon de bavure de forgeage de pièce complexe

Publication

EP 1614487 B1 20070117 (FR)

Application

EP 05105968 A 20050630

Priority

FR 0451497 A 20040709

Abstract (en)

[origin: EP1614487A1] The process involves choosing three reference sections (Sa-Sc) of a blade of a turbo machine vane along reference planes (Pa-Pc) corresponding to the base, middle and tip of the blade. The length of a land and a retreat distance for the sections are determined in the planes. Intermediate sections of the land and the disengagement of the land from the sections (Sa-Sc) are constructed by interpolation in the preset planes.

IPC 8 full level

B21K 3/04 (2006.01)

CPC (source: EP US)

B21J 5/02 (2013.01 - EP US); **B21K 3/04** (2013.01 - EP US); **Y10T 29/49336** (2015.01 - EP US); **Y10T 29/49771** (2015.01 - EP US)

Cited by

CN105215622A; CN105170809A

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1614487 A1 20060111; **EP 1614487 B1 20070117**; CN 100462160 C 20090218; CN 1772410 A 20060517; DE 602005000465 D1 20070308; DE 602005000465 T2 20070823; FR 2872721 A1 20060113; FR 2872721 B1 20060922; JP 2006021251 A 20060126; JP 4705423 B2 20110622; US 2006005386 A1 20060112; US 7565851 B2 20090728

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EP 05105968 A 20050630; CN 200510098163 A 20050708; DE 602005000465 T 20050630; FR 0451497 A 20040709; JP 2005196004 A 20050705; US 17631805 A 20050708