

Title (en)  
Cutting blade and method for its production

Title (de)  
Schneidmesser und Verfahren zu dessen Herstellung

Title (fr)  
Couteau et son procédé de fabrication

Publication  
**EP 2283953 B1 20140312 (DE)**

Application  
**EP 10006679 A 20100628**

Priority  
DE 102009031916 A 20090706

Abstract (en)  
[origin: EP2283953A1] The cutting tool for high-speed slicing of food products, comprises a process area (12, 14) that transfers by a hot isostatic pressing process in initial condition and in a finished condition and is connected with a base body (13) of the cutting tool and/or with a further process area. The process area forms a cutting area of the cutting tool, which defines a radial cutting edge (21) of the cutting tool showing towards outside. The process area forms a reception- or mounting area of the cutting tool and consists of powder metallurgical steel. The cutting tool for high-speed slicing of food products, comprises a process area (12, 14) that transfers by a hot isostatic pressing process in initial condition and in a finished condition and is connected with a base body (13) of the cutting tool and/or with a further process area. The process area forms a cutting area of the cutting tool, which defines a radial cutting edge (21) of the cutting tool showing towards outside. The process area forms a reception- or mounting area of the cutting tool and consists of powder metallurgical steel. The base body consists of non-powder metallurgical materials. The base body is constructed out of a material that finds out in a hardening process of no essential characteristic change subsequent itself at the hot-isostatic pressing process. The base body is formed as plate or disc. The process area forming a cutting area of the cutting tool is subjected on an external circumference area of the base body, is formed in half circular manner and/or has the form of a closed ring. A flush transition is provided between the process area and the base body and/or between process areas. The cutting tool is formed as rotating and planetary rotating circular knife or as rotating sickle-, spiral-, or cutter tool. Independent claims are included for: (1) a device for high-speed slicing of food products; and (2) a method for the production of cutting tools.

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Citation (examination)  
JP H11106801 A 19990420 - DAIDO AMISTAR KK

Cited by  
CN106041088A; DE102014014238A1

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