

Title (en)
THICK POINTED SUPERHARD MATERIAL

Title (de)
DICKES, SPITZES UND SUPERHARTES MATERIAL

Title (fr)
MATÉRIAU EXTRA-DUR POINTU ET ÉPAIS

Publication
EP 2049769 A4 20140702 (EN)

Application
EP 07873780 A 20070816

Priority

- US 2007075670 W 20070816
- US 46399006 A 20060811
- US 46395306 A 20060811
- US 55333806 A 20061026
- US 55883506 A 20061110
- US 66825407 A 20070129
- US 67363407 A 20070212

Abstract (en)
[origin: WO2008105915A2] In one aspect of the invention, a high impact resistant tool having a superhard bonded to a cemented metal carbide substrate at a non-planar interface. The superhard material has a substantially pointed geometry with a sharp apex having .050 to .125 inch radius. The superhard material also has a .100 to .500 inch thickness from the apex to the non-planar interface.

IPC 8 full level
E21C 35/183 (2006.01)

CPC (source: EP)
E21C 35/183 (2013.01)

Citation (search report)

- [X] US 2004026132 A1 20040212 - HALL DAVID R [US], et al
- [X] US 2001004946 A1 20010628 - JENSEN KENNETH M [US]
- [A] US 6003623 A 19991221 - MIESS DAVID P [US]
- See references of WO 2008105915A2

Cited by
WO2019020545A1

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