

Title (en)
MATERIAL BASED ON SIALON'S

Title (de)
WERKSTOFF AUF BASIS VON SIALONEN

Title (fr)
MATERIAU A BASE DE SIALON

Publication
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Application
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Abstract (en)
[origin: WO2005016847A1] Known Si₃N₄ and SiAlON cutting materials become, at the beginning, rounded very quickly on the cutting edge during usual long continuous cuts in gray cast iron (GG) which is described as initial wear. The invention thus provides that the raw material mixture of the material comprised of: component A, an alpha/beta SiAlON, and; component B, a hard material, has a composition consisting of 70 to 97 % by volume of component A and 3 to 30 % by volume of component B.

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IPC 8 full level
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Citation (search report)
See references of WO 2005016847A1

Citation (examination)
WO 0002829 A2 20000120 - KENNAMETAL INC [US]

Citation (third parties)
Third party :
EP 0667323 A2 19950816 - SUMITOMO ELECTRIC INDUSTRIES [JP]

Cited by
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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

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