

Title (en)
Method of making a cemented carbide body

Title (de)
Verfahren zur Herstellung eines Hartmetallkörpers

Title (fr)
Procédé de fabrication de corps de carbure cimenté

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Application
EP 12163181 A 20120404

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Abstract (en)
The present invention relates to a method of making a cemented carbide comprising the steps of first forming a powder blend comprising WC raw material powder and a metal binder phase powder, where the WC raw material is single crystal and where the WC grains after sintering have a spherical or angular morphology. The powder blend is then subjected to a mixing operation using a non-contact mixer wherein acoustic waves achieving resonance conditions to form a mixed powder blend and then subjecting said mixed powder blend to a pressing and sintering operation. The method makes it possible to maintain the grain size, the grain size distribution and the morphology of the WC grains.

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C22C 1/1084 (2013.01); **B22F 2998/00** (2013.01); **B22F 2999/00** (2013.01)

Citation (applicant)
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• WO 2008088321 A1 20080724 - HOWE HAROLD W [US], et al
• US 7188993 B1 20070313 - HOWE HAROLD W [US], et al

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• [XDA] EP 0752921 A1 19970115 - SANDVIK AB [SE]
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