

Title (en)

Cemented carbide compositions and process for making such compositions.

Title (de)

Gebundene Carbidmischungen und Verfahren ihrer Herstellung.

Title (fr)

Compositions de carbure cémentée et procédé de fabrication de ces compositions.

Publication

EP 0085125 A1 19830810 (EN)

Application

EP 82100684 A 19820201

Priority

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Abstract (en)

The compositions comprise about 80 to about 97% by weight of the refractory particles of, for example, tungsten carbide. The particles are bonded within an alloy matrix of between about 5 and about 50% nickel, sufficient carbon to avoid the formation of detrimental carbon deficient or excess carbon phases and a balance of about 95 to about 50% iron by weight. In a preferred embodiment, the alloy matrix additionally contains from about 5 to about 20% by weight of manganese. These compositions are useful for rock drilling.

IPC 1-7

C22C 29/00; **E21B 10/46**

IPC 8 full level

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CPC (source: EP)

C22C 29/067 (2013.01); **E21B 10/46** (2013.01); **B22F 2005/001** (2013.01)

Citation (search report)

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