

Title (en)  
ENGINEERING FERROUS METALS, IN PARTICULAR CAST IRON AND STEEL.

Title (de)  
BEARBEITUNG VON EISENMETALLEN, INSbesondere von GUSSEISEN UND STAHL.

Title (fr)  
METAUX FERREUX INDUSTRIELS, EN PARTICULIER FONTE ET ACIER.

Publication  
**EP 0680521 A1 19951108 (EN)**

Application  
**EP 94900231 A 19931119**

Priority  

- GB 9302380 W 19931119
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- GB 9315356 A 19930723

Abstract (en)  
[origin: WO9411541A1] A method of making an engineering ferrous metal comprising the steps of adding to liquid engineering ferrous metal solid alloy carbide particles and thereafter permitting the ferrous metal to solidify. The alloy carbide particles are coated with iron or an iron alloy to allow wetting to occur between the powder and the liquid ferrous metal and the particles have a density which matches that of the ferrous metal to provide a uniform distribution of the carbide particles in the ferrous metal. A roll may be made having at least a shell made of metal by such a method by centrifugal casting or electroslag remelting.

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**C22C 1/10; B22F 1/02; C22C 32/00; C21C 7/00**

IPC 8 full level  
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Citation (search report)  
See references of WO 9411541A1

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