

Title (en)  
ABRASION-RESISTANT COMPOSITE ARTICLE AND PROCESS FOR ITS MANUFACTURE

Publication  
**EP 0123961 B1 19880316 (DE)**

Application  
**EP 84103772 A 19840405**

Priority  
DE 3315125 A 19830427

Abstract (en)  
[origin: US4626464A] A wear resistant compound body is disclosed which is comprised of a metallic basic material and has a wear resistant zone which includes hard substance and/or hard metal particles in addition to the basic material. The basic material is composed of 0.001 to 1.5 weight percent carbon, 0.5 to 8 weight percent boron, 1 to 8 weight percent niobium, 0.2 to 6 weight percent chromium, 0 to 30 weight percent nickel, 0 to 10 weight percent manganese, 0 to 6 weight percent vanadium, 0 to 5 weight percent molybdenum, 0 to 5 weight percent silicon, the remainder being iron. Also disclosed is a casting process for producing the compound body.

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CPC (source: EP US)  
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Cited by  
EP0322397A3; EP0480850A1; FR2667809A1; GB2289288A; GB2289288B; WO9411541A1

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