

Title (en)
Improved wear resistant alloy

Title (de)
Legierung mit verbesserter Verschleißfestigkeit

Title (fr)
Alliage amélioré résistant à l'usure

Publication
EP 2351866 B1 20141126 (EN)

Application
EP 11003391 A 20041027

Priority
• EP 11003391 A 20041027
• EP 04789619 A 20041027

Abstract (en)
[origin: EP2351866A1] A wear resistant, high chromium white iron, in an unheat-treated condition has a microstructure substantially comprising austenite and M7C3 carbides. The white iron contains at least one martensite promoter and at least one austenite stabiliser which are present at respective levels to achieve a balance between their effects whereby the white iron is substantially crack-free. The white iron may be as-cast or comprise well deposited hardfacing.

IPC 8 full level
C22C 33/08 (2006.01); **C22C 37/06** (2006.01); **C22C 37/08** (2006.01); **C22C 37/10** (2006.01)

CPC (source: EP)
C22C 37/08 (2013.01); **C22C 37/10** (2013.01)

Cited by
EP3720979A4; US9885099B2

Designated contracting state (EPC)
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