

Title (en)  
Wear resistant manganese steel

Title (de)  
Verschleißfester Manganstahl

Title (fr)  
Acier au manganèse résistant à l'usure

Publication  
**EP 2803736 A1 20141119 (EN)**

Application  
**EP 13167522 A 20130513**

Priority  
EP 13167522 A 20130513

Abstract (en)  
A wear resistant manganese steel and a method for producing the same having a composition by weight carbon: 0.4 to 16%; silicon: 0.2 to 1.0%; tungsten: 0.5 to 5%; chromium: less than or equal to 1.0%; wherein the balance comprises iron and impurities; wherein powdered tungsten is added to the steel melt.

IPC 8 full level  
**C21D 6/00** (2006.01); **C21C 7/06** (2006.01); **C22C 1/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/28** (2006.01); **C22C 38/38** (2006.01)

CPC (source: EP)  
**C21C 7/0006** (2013.01); **C21C 7/06** (2013.01); **C21D 6/005** (2013.01); **C22C 1/02** (2013.01); **C22C 38/04** (2013.01); **C22C 38/28** (2013.01); **C22C 38/38** (2013.01)

Citation (applicant)  
• US 5308408 A 19940503 - KATILA REIJO [FI]  
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Citation (search report)  
• [A] US 5308408 A 19940503 - KATILA REIJO [FI]  
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• [AD] RU 2009116306 A 20101110  
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• [A] WO 0188213 A1 20011122 - PROENGCO AB [SE], et al  
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