

Title (en)
piston ring made of cast iron

Title (de)
Kolbenringe aus einem gusseisenwerkstoff

Title (fr)
Segment de pistons d'un materiau de font

Publication
EP 1794336 A1 20070613 (DE)

Application
EP 05743258 A 20050504

Priority
• EP 2005004883 W 20050504
• DE 102004040055 A 20040818

Abstract (en)
[origin: WO2006018053A1] The invention relates to a cast iron material, particularly a novel cast iron material that is provided with excellent resistance to corrosion, resistance to wear, and bending strength. Said cast iron material has a matrix structure made of ferrite that contains moieties of martensite and/or austenite and is suitable for producing piston rings.

IPC 8 full level
C22C 37/04 (2006.01); **C21D 5/00** (2006.01); **F16J 9/26** (2006.01)

CPC (source: EP)
C22C 37/00 (2013.01); **C22C 37/04** (2013.01)

Citation (search report)
See references of WO 2006018053A1

Designated contracting state (EPC)
DE GB IT SE

DOCDB simple family (publication)
DE 102004040055 A1 20060302; DE 502005008922 D1 20100311; EP 1794336 A1 20070613; EP 1794336 B1 20100120; JP 2008510071 A 20080403; WO 2006018053 A1 20060223

DOCDB simple family (application)
DE 102004040055 A 20040818; DE 502005008922 T 20050504; EP 05743258 A 20050504; EP 2005004883 W 20050504; JP 2007526220 A 20050504