

Title (en)  
AUSTENITE HEAT-RESISTANT SPHEROIDAL GRAPHITE CAST IRON

Title (de)  
AUSTENITISCHES WÄRMEBESTÄNDIGES KUGELGRAPHITGUSSEISEN

Title (fr)  
FONTE GRAPHITEE SPHEROIDALE AUSTENITIQUE RESISTANT A LA CHALEUR

Publication  
**EP 1652949 A4 20080625 (EN)**

Application  
**EP 04770825 A 20040720**

Priority  
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• JP 2003199184 A 20030718

Abstract (en)  
[origin: EP1652949A1] A heat-resistant, austenitic spheroidal graphite cast iron has a composition comprising 1-4.5% by weight of Mo, and 0.001-0.5% by weight of Sn and/or Sb as (2Sn + Sb). It preferably has a composition comprising 1-3.5% of C, 1-6.5% of Si, 3% or less of Cr, 10-40% of Ni, 1-4.5% of Mo, 0.001-0.5% of Sn and/or Sb as (2Sn + Sb), and 0.1% or less of a graphite-spheroidizing element, on a weight basis.

IPC 8 full level  
**C22C 37/04** (2006.01); **F01N 13/16** (2010.01)

CPC (source: EP KR US)  
**C22C 37/04** (2013.01 - EP KR US); **C22C 37/08** (2013.01 - EP US); **F01N 13/16** (2013.01 - EP US); **F01N 2530/02** (2013.01 - EP US)

Citation (search report)  
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• [A] EP 0471255 A1 19920219 - HITACHI METALS LTD [JP]  
• [A] EP 0109040 A2 19840523 - NISSAN MOTOR [JP], et al  
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• [A] WO 02095081 A1 20021128 - WESCAST IND INC [US], et al  
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