

Title (en)

CAST IRON FOR THE MANUFACTURE OF BRAKE DRUMS

Publication

**EP 0279300 B1 19910515 (DE)**

Application

**EP 88101722 A 19880206**

Priority

DE 3704679 A 19870214

Abstract (en)

[origin: EP0279300A2] Cast iron for the manufacture of, in particular, solid and vented brake discs and other brake components, has the following features in combination: a perlitic base structure with a maximum of 5% ferrite fraction and a tensile strength of at least 200 N/mm<sup>2</sup> with the following chemical composition: carbon 3.62 - 3.68% silicon max. 2.10% manganese 0.70 - 0.85% phosphorus less than 0.080% sulphur less than 0.095% chromium 0.18 - 0.25% molybdenum 0.30 - 0.45% copper 0.30 - 0.45%.

IPC 1-7

**C21D 5/04**; **C22C 37/06**; **F16D 65/10**

IPC 8 full level

**C21D 5/04** (2006.01); **C22C 37/06** (2006.01); **F16D 65/10** (2006.01)

CPC (source: EP KR US)

**C21B 5/02** (2013.01 - KR); **C22C 37/06** (2013.01 - EP US)

Citation (examination)

DE 3305184 A1 19840823 - BUDERUS AG [DE]

Cited by

EP0778355A1; US5894010A; EP0746635A4; DE102004028902B4; WO2007115772A1

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

**EP 0279300 A2 19880824**; **EP 0279300 A3 19880914**; **EP 0279300 B1 19910515**; DE 3704679 A1 19880825; DE 3704679 C2 19891123; DE 3862767 D1 19910620; ES 2022479 B3 19911201; KR 880010138 A 19881007; KR 960005599 B1 19960426; US 4948437 A 19900814; US 5032194 A 19910716

DOCDB simple family (application)

**EP 88101722 A 19880206**; DE 3704679 A 19870214; DE 3862767 T 19880206; ES 88101722 T 19880206; KR 880001423 A 19880213; US 15504088 A 19880211; US 52914190 A 19900525