

Title (en)
CAST STAINLESS STEEL ALLOY AND METHOD FOR ITS MANUFACTURE

Publication
EP 0207697 B1 19890906 (EN)

Application
EP 86304758 A 19860620

Priority
US 74915385 A 19850626

Abstract (en)
[origin: EP0207697A1] Cast metal parts such as turbocharger housings which are subject to operating temperatures up to about 2000 DEG F (1093 DEG C) and require good thermal cyclic durability (resistance to thermal cracking) and burst containment properties, are made from a low nickel duplex stainless steel with nitrogen addition by the use of grey and ductile iron casting technology.

IPC 1-7
C22C 38/00; **C22C 38/48**; **C22C 38/60**

IPC 8 full level
C21D 6/00 (2006.01); **C22C 38/00** (2006.01); **C22C 38/48** (2006.01); **C22C 38/60** (2006.01)

CPC (source: EP)
C22C 38/60 (2013.01)

Cited by
US6165288A; US2014099196A1; EP1472382A4; CN109766634A; GB2193726B; EP2980253A1; EP3168318A1; CN103534459A; US10309415B2; US9896752B2; WO2017194282A1; WO2012170188A3; US10975718B2; US9534281B2; US10316694B2

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0207697 A1 19870107; **EP 0207697 B1 19890906**; AT E46194 T1 19890915; BR 8505304 A 19870217; DE 3665488 D1 19891012; ES 556779 A0 19870801; ES 8707569 A1 19870801; JP H0672294 B2 19940914; JP S624855 A 19870110

DOCDB simple family (application)
EP 86304758 A 19860620; AT 86304758 T 19860620; BR 8505304 A 19851023; DE 3665488 T 19860620; ES 556779 A 19860625; JP 22976885 A 19851015