

Title (en)
Gasket

Title (de)
Dichtring

Title (fr)
Bague d'étanchéité

Publication
EP 1997921 A2 20081203 (DE)

Application
EP 08156343 A 20080516

Priority
DE 102007025758 A 20070601

Abstract (en)
The sealing ring has a base material based on iron or nickel based alloy and, which is treated with boron. The base material based on iron is partly austenitic, or partly ferritic, or partly pearlitic, bainitic or martensitic. An independent claim is also included for a method for manufacturing a sealing ring, which involves utilizing borating firm, liquid, particularly paste-like or gaseous boron donors, and sintering or casting of the base material.

Abstract (de)
Die vorliegende Erfindung betrifft einen Dichtring, insbesondere einen Wellendichtring für einen Turbolader, der entweder ein Grundmaterial auf Eisenbasis oder ein Grundmaterial auf einer Nickelbasislegierung aufweist und zudem boriert ist.

IPC 8 full level
C22C 19/00 (2006.01); **C22C 19/05** (2006.01); **C22C 38/00** (2006.01); **C22C 38/10** (2006.01); **C22C 38/18** (2006.01); **C22C 38/40** (2006.01); **C22C 38/44** (2006.01); **C22C 38/54** (2006.01); **C22C 38/58** (2006.01)

CPC (source: EP)
C22C 19/00 (2013.01); **C22C 19/051** (2013.01); **C22C 19/055** (2013.01); **C22C 38/00** (2013.01); **C22C 38/08** (2013.01); **C22C 38/105** (2013.01); **C22C 38/18** (2013.01); **C22C 38/40** (2013.01); **C22C 38/44** (2013.01); **C22C 38/54** (2013.01); **C22C 38/58** (2013.01)

Cited by
DE112009002015B4; DE102016208301A1; DE102017216461A1; DE102009015009B3; CN105671425A; DE102009015008B3; CN112281078A; DE102018217057A1; US2018274050A1; US11555232B2; CN108431258A; US11306376B2; DE102009038382A1; DE102009038382A8; CN106435372A; US2012080124A1; CN103469104A; US9217186B2; DE102009010726B3; EP2302090A1; CN103255347A; CN107058876A; CN108300942A; US11725266B2; AT509598A4; AT509598B1; US12006561B2; US9347121B2; US11634792B2; US9650702B2; US11454132B2; WO2018024763A1; US11492686B2; US11859267B2; US9090949B2; EP2794949B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 1997921 A2 20081203; **EP 1997921 A3 20091028**; DE 102007025758 A1 20081204; JP 2008304059 A 20081218

DOCDB simple family (application)
EP 08156343 A 20080516; DE 102007025758 A 20070601; JP 2008138913 A 20080528