

Title (en)

BEARING STEEL EXCELLENT IN ROLLING FATIGUE LIFE

Title (de)

LAGERSTAHL MIT HERVORRAGENDER WALZERMÜDUNGSBESTÄNDIGKEIT

Title (fr)

ACIER POUR ROULEMENTS PRESENTANT UNE EXCELLENTE RESISTANCE AU ROULEMENT

Publication

**EP 1048744 A1 20001102 (EN)**

Application

**EP 99951124 A 19991028**

Priority

- JP 9905986 W 19991028
- JP 31879598 A 19981110

Abstract (en)

The present invention relates to a bearing steel which is used as a component for rolling bearings, such as roller bearings and ball bearings, and more particularly, which is used as a component for bearings having superior rolling contact fatigue life. That is, the bearing steel having superior rolling contact fatigue life contains 0.95 to 1.10 mass% of C, more than 1.60 to 3.50 mass% of Cr, 0.0015 mass% or less of O, 0.0010 mass% or less of Sb, and the balance being Fe and incidental impurities. Alternatively, the bearing steel may further contain at least one element selected from the group consisting of 2.5 mass% or less of Si, 2.5 mass% or less of Mn, 2.5 mass% or less of Mo, 3.0 mass% or less of Ni, 1.5 mass% or less of Nb, 1.5 mass% or less of V, 2.0 mass% or less of Cu, and 0.08 mass% or less of Al. <IMAGE>

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**C22C 38/00**

IPC 8 full level

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CPC (source: EP KR)

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Cited by

CN112111696A; EP1614761A4; CN108559913A; EP2794175A4; CN102399533A; EP1354971A4; US7763124B2; US11788579B2; US9593389B2

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