

Title (en)

R-T-B type alloy, production method of R-T-B type alloy flake, fine powder for R-T-B type rare earth permanent magnet, and R-T-B type rare earth permanent magnet

Title (de)

R-T-B-Legierung, Verfahren zur Herstellung von Flocken der R-T-B-Legierung, feines Pulver für R-T-B- Seltenerd-Dauermagnete und R-T-B Seltenerd-Dauermagnete

Title (fr)

Alliage de type R-T-B, procédé de fabrication de flocons de l'alliage R-T-B, poudre fine pour aimants permanents de type R-T-B et aimants permanents de type R-T-B

Publication

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Application

EP 06020850 A 20061004

Priority

JP 2005316551 A 20051031

Abstract (en)

The present invention provides an R-T-B type alloy as a raw material of a rare earth-based permanent magnet having excellent magnetic characteristics. The present invention provides an R-T-B type alloy (wherein R is at least one member selected from rare earth elements including Y, T is a transition metal essentially comprising Fe, and B is boron) which is a raw material for use in a rare earth-based permanent magnet, wherein the volume percentage of the region containing an R 2 T 17 phase having an average grain diameter of 3 µm or less in the short axis direction is from 0.5 to 10%.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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Designated extension state (EPC)

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DOCDB simple family (application)

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