Constitution and properties of Heuslers alloys.

- - US Patent Application for MAGNETORESISTANCE EFFECT ELEMENT AND HEUSLER ALLOY Patent Application (Application #20210043226 issued February 11, 2021)

Description: -
-
Wiltshire (England) -- Description and travel.
Natural history -- England -- Wiltshire.
Viscous flow.
Turbulent flow.
K-epsilon turbulence model.
High Reynolds number.
Eddy viscosity.
Magnetism
Alloysconstitution and properties of Heuslers alloys.
-constitution and properties of Heuslers alloys.
Notes: Thesis (M.A.) -- University of Toronto, 1908
This edition was published in 1908

Filesize: 41.27 MB

Tags: #Heusler #Alloy #Database

Heusler compound

In order to measure temperature differences of the leg and graphite bulk, K-type thermocouples were embedded at the interfaces.

On the constitution and properties of Heusler's alloys [microform] : McTaggart, H. A. (Henry Allen), 1876

The decrease in modulus with respect to temperature is also observed in TiNiSn, ZrNiSn, and HfNiSn, where ZrNiSn has the highest modulus and Hf has the lowest. In example 14, Co 2 Fe 0.

Heusler Alloy Database

Although embodiments of the present disclosure have been described in detail with reference to the drawings, configurations, combinations thereof, or the like in the respective embodiments are examples, and additions, omissions, substitutions, and other changes to the configurations can be made within a scope not departing from the gist of the present disclosure. In the magnetoresistance effect element 102 of the second embodiment, at least one of a first ferromagnetic layer 30 and a second ferromagnetic layer 70 is the Heusler alloy described above.

Heusler alloys

In fact, analysis of the thermodynamic stability for the unreported compounds and assessment of potential unknown competing phases could provide highly valuable guidance for the experimental efforts.

Heusler alloys

Comparison of the thermoelectric performance between the TaFeSb-based half-Heuslers with the other p-type state-of-the-art half-Heusler compounds ,,, is shown in Fig. The deposition of the first ferromagnetic layer 30 was performed by a co-sputtering method using a CoFeGaGe alloy target and a Ta target as the targets. First NiAl Layer and Second NiAl Layer The first NiAl layer 40 and the second NiAl layer 60 are layers containing a NiAl alloy.

Heusler Alloys: Structure, Properties and Applications

The first NiAl layer 40 was deposited on the first ferromagnetic layer 30 using a sputtering method.

Heusler Alloys

Dimensionless thermoelectric figure of merit of TaFeSb-based half-Heuslers. The laminate formed of the first ferromagnetic layer 30, the non-magnetic layer 50, and the second ferromagnetic layer 70 constituting the magnetoresistance effect element 101 has a columnar shape.

On the constitution and properties of Heusler's alloys, including a study of their microstructure : McTaggart, Henry Allen : Free Download, Borrow, and Streaming : Internet Archive

From ultrasoft pseudopotentials to the projector augmented-wave method. Band structure and density of states DOS calculations were conducted by using the modified Becke—Johnson mBJ potential of Tran and Blaha ,. This will display a table of phases and formation energies you may need to scroll down to view it.

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