

Title (en)

HIGH-ENTROPY ALLOY AND METHOD FOR MANUFACTURING SAME

Title (de)

LEGIERUNG MIT HOHER ENTROPIE UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

ALLIAGE À ENTROPIE ÉLEVÉE ET PROCÉDÉ DE FABRICATION D'UN TEL ALLIAGE

Publication

**EP 4151766 A1 20230322 (EN)**

Application

**EP 20934927 A 20200512**

Priority

KR 2020006209 W 20200512

Abstract (en)

A high-entropy alloy according to the present embodiment is a high-entropy alloy having an iron-rich phase and a copper-rich phase, and comprises a common complete solid solution metal that is completely solid-solved in iron and copper respectively. For example, the common complete solid solution metal may comprise nickel.

IPC 8 full level

**C22C 38/42** (2006.01); **C22C 1/02** (2006.01); **C22C 38/58** (2006.01)

CPC (source: EP US)

**C22C 1/02** (2013.01 - US); **C22C 30/02** (2013.01 - EP US); **C22C 33/04** (2013.01 - US); **C22C 38/02** (2013.01 - EP); **C22C 38/04** (2013.01 - EP); **C22C 38/06** (2013.01 - EP US); **C22C 38/42** (2013.01 - EP US); **C22C 38/58** (2013.01 - EP US)

Designated contracting state (EPC)

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