

Title (en)
CAST ALLOY

Title (de)
GUSSLEGIERUNG

Title (fr)
ALLIAGE MOULÉ

Publication
EP 4124668 A1 20230201 (EN)

Application
EP 21188809 A 20210730

Priority
EP 21188809 A 20210730

Abstract (en)
The casting alloy according to the invention is based on aluminum-iron-nickel and consists of the following elements:

IPC 8 full level
C22C 21/00 (2006.01); **C22F 1/04** (2006.01)

CPC (source: EP KR US)
B22D 17/00 (2013.01 - KR US); **B22D 18/04** (2013.01 - KR); **B22D 21/007** (2013.01 - KR); **C22C 21/00** (2013.01 - EP US);
C22C 21/003 (2013.01 - KR); **C22F 1/04** (2013.01 - EP)

Citation (applicant)
EP 3235916 B1 20180815 - RHEINFELDEN ALLOYS GMBH & CO KG [DE]

Citation (search report)

- [XAY] US 4080222 A 19780321 - SCHOERNER ROGER J, et al
- [Y] CN 108130456 A 20180608 - GUANGZHOU ZHIYUAN NEW MATERIAL TECH CO LTD
- [XAY] JP 2001254135 A 20010918 - RYOKA MACS CORP
- [A] US 2016258042 A1 20160908 - SANATY-ZADEH AMIRREZA [US], et al
- [A] ENGIN SEVDA ET AL: "The effects of microstructure and growth rate on microhardness, tensile strength, and electrical resistivity for directionally solidified Al-Ni-Fe alloys", JOURNAL OF ALLOYS AND COMPOUNDS, ELSEVIER SEQUOIA, LAUSANNE, CH, vol. 660, 19 November 2015 (2015-11-19), pages 23 - 31, XP029351393, ISSN: 0925-8388, DOI: 10.1016/J.JALLCOM.2015.11.080

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

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4124668 A1 20230201; CN 115679158 A 20230203; JP 2023021070 A 20230209; KR 20230019055 A 20230207;
US 2023043878 A1 20230209

DOCDB simple family (application)
EP 21188809 A 20210730; CN 202210897320 A 20220728; JP 2022121099 A 20220729; KR 20220094634 A 20220729;
US 202217876661 A 20220729