

Title (en)
USE OF A NICKEL-CHROMIUM-MOLYBDENUM ALLOY

Title (de)
VERWENDUNG EINER NICKEL-CHROM-MOLYBDÄN-LEGIERUNG

Title (fr)
UTILISATION D'UN ALLIAGE NICKEL-CHROME-MOLYBDÈNE

Publication
EP 3555329 A1 20191023 (DE)

Application
EP 17832194 A 20171212

Priority
• DE 102016124588 A 20161216
• DE 2017101066 W 20171212

Abstract (en)
[origin: WO2018108208A1] The invention relates to the use of an alloy having the following composition (in wt. %): Cr 20.0 - 23.0%, Mo 18.5 - 21.05%, Fe ≤ 1.5%, Mn ≤ 0.5%, Si ≤ 0.1%, Co ≤ 0.3%, W ≤ 0.3%, Cu ≤ 0.5%, Al ≤ 0.4%, C ≤ 0.01%, P ≤ 0.015%, S ≤ 0.01%, N 0.02 - 0.15%, if required V ≤ 0.3%, Nb ≤ 0.2%, Ti ≤ 0.02%, remainder being Ni, in addition to smelting-relates impurities as plating material in thermal treatment installations and replacement material combustion installations.

IPC 8 full level
C22C 19/05 (2006.01); **C22F 1/10** (2006.01)

CPC (source: EP KR US)
C22C 19/05 (2013.01 - EP); **C22C 19/055** (2013.01 - EP KR US); **C22F 1/10** (2013.01 - KR US); **B23K 2103/18** (2018.07 - US); **C22F 1/10** (2013.01 - EP)

Citation (search report)
See references of WO 2018108208A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ 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

DOCDB simple family (publication)
WO 2018108208 A1 20180621; CN 110036125 A 20190719; DE 102016124588 A1 20180621; EP 3555329 A1 20191023; JP 2020508872 A 20200326; JP 6918114 B2 20210811; KR 102354868 B1 20220124; KR 20190087464 A 20190724; US 2020048741 A1 20200213

DOCDB simple family (application)
DE 2017101066 W 20171212; CN 201780071437 A 20171212; DE 102016124588 A 20161216; EP 17832194 A 20171212; JP 2019531910 A 20171212; KR 20197016716 A 20171212; US 201716342675 A 20171212