Title (en)

USE OF A TITANIUM-FREE NICKEL-CHROMIUM-IRON-MOLYBDENUM ALLOY

Title (de)

VERWENDUNG EINER TITANFREIEN NICKEL-CHROM-EISEN-MOLYBDÄN-LEGIERUNG

Title (fr)

UTILISATION D'UN ALLIAGE NICKEL-CHROME-FER-MOLYBDÈNE SANS TITANE

Publication

EP 4288576 A1 20231213 (DE)

Application

EP 22708292 A 20220131

Priority

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- DE 2022100082 W 20220131

Abstract (en)

[origin: WO2022167042A1] The invention relates to the use of an alloy having the composition (in mass per cent) C max. 0.02%, S max. 0.01%, N max. 0.03%, Cr 20.0 - 23.0%, Ni 39.0 - 44.0%, Mn 0.4 - < 1.0%, Si 0.1 - < 0.5%, Mo > 4.0 - < 7.0%, Nb max. 0.15%, Cu > 1.5 - < 2.5%, Al 0.05 - < 0.3%, Co max. 0.5%, B 0.001 - < 0.005%, Mg 0.005 - < 0.015%, remainder Fe and impurities resulting from fusion, which is further processed via the molten phase as an alloyed solid in the form of a wire, strip, rod or powder and is used in the oil, gas and chemical industry in wet corrosion applications.

IPC 8 full level

B22F 3/105 (2006.01); **C22C 19/05** (2006.01); **B22F 10/00** (2021.01); **B23K 5/14** (2006.01); **B23K 5/18** (2006.01); **B23K 9/00** (2006.01); **B23K 9/04** (2006.01); **B23K 10/02** (2006.01); **B23K 25/00** (2006.01); **B23K 35/02** (2006.01); **B23K 35/30** (2006.01); **C22C 30/00** (2006.01); **C22C 33/02** (2006.01); **C22C 38/00** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/42** (2006.01); **C22C 38/44** (2006.01); **C22C 38/52** (2006.01); **C22C 38/54** (2006.01)

CPC (source: EP KR US)

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C-Set (source: EP)

B22F 2999/00 + B22F 3/105 + B22F 2202/13

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

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BA ME

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DOCDB simple family (application)

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