

Title (en)  
FERROSILICON VANADIUM AND/OR NIOBIUM ALLOY, PRODUCTION OF A FERROSILICON VANADIUM AND/OR NIOBIUM ALLOY, AND THE USE THEREOF

Title (de)  
FERROSILICIUM-VANADIUM- UND/ODER -NIOBLEGIERUNG, HERSTELLUNG EINER FERROSILICIUM-VANADIUM- UND/ODER -NIOBLEGIERUNG UND DEREN VERWENDUNG

Title (fr)  
ALLIAGE DE FERROSILICIUM VANADIUM ET/OU NIOBIUM, PRODUCTION D'ALLIAGE DE FERROSILICIUM VANADIUM ET/OU NIOBIUM ET SON UTILISATION

Publication  
**EP 4314371 A1 20240207 (EN)**

Application  
**EP 22716569 A 20220329**

Priority  
• NO 20210413 A 20210330  
• NO 2022050076 W 20220329

Abstract (en)  
[origin: WO2022211640A1] The invention relates to a ferrosilicon vanadium and/or niobium (FeSi V and/or Nb) alloy comprising 35 - 75 wt % Si; 3 - 35 wt % V and/or Nb; up to 2 wt % Al; up to 25 wt % Mn; up to 25 wt % Cr; up to 0.15 wt % Ca; up to 0.10 wt % Ti; up to 0.10 wt % C; up to 0.02 wt % Cu; up to 0.05 wt % P; up to 0.02 wt % S; balance Fe and incident impurities. The invention also relates to a method for the production of a FeSi V and/or Nb alloy and the use thereof in steel manufacturing.

IPC 8 full level  
**C22C 33/04** (2006.01); **C21C 7/00** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/12** (2006.01); **C22C 38/24** (2006.01); **C22C 38/26** (2006.01); **C22C 38/46** (2006.01); **C22C 38/48** (2006.01); **C22C 45/02** (2006.01); **F27B 3/02** (2006.01); **F27B 3/08** (2006.01)

CPC (source: EP NO)  
**C21C 7/0056** (2013.01 - EP); **C22C 33/04** (2013.01 - EP); **C22C 33/06** (2013.01 - NO); **C22C 35/00** (2013.01 - NO); **C22C 38/02** (2013.01 - EP); **C22C 38/04** (2013.01 - EP); **C22C 38/12** (2013.01 - EP); **C22C 38/24** (2013.01 - EP); **C22C 38/26** (2013.01 - EP); **C22C 38/46** (2013.01 - EP); **C22C 38/48** (2013.01 - EP); **C22C 45/02** (2013.01 - EP); **C21C 2007/0062** (2013.01 - EP); **F27B 3/08** (2013.01 - EP)

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)  
**WO 2022211640 A1 20221006**; EP 4314371 A1 20240207; NO 20210413 A1 20221003; TW 202248435 A 20221216; TW I829129 B 20240111

DOCDB simple family (application)  
**NO 2022050076 W 20220329**; EP 22716569 A 20220329; NO 20210413 A 20210330; TW 111111634 A 20220328