

Title (en)
STAINLESS STEEL MATERIAL AND METHOD FOR MANUFACTURING SAME, AND ANTIBACTERIAL/ANTIVIRAL MEMBER

Title (de)
EDELSTAHLMATERIAL UND VERFAHREN ZUR HERSTELLUNG DAVON SOWIE ANTIBAKTERIELLES/ANTIVIRALES ELEMENT

Title (fr)
MATÉRIAU À BASE D'ACIER INOXYDABLE ET SON PROCÉDÉ DE FABRICATION, ET ÉLÉMENT ANTIBACTÉRIEN/ANTIVIRAL

Publication
EP 4317481 A1 20240207 (EN)

Application
EP 22775296 A 20220315

Priority

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- JP 2021054054 A 20210326
- JP 2022011738 W 20220315

Abstract (en)
A stainless steel material has ϵ -Cu phases exposed on a surface of the stainless steel material. The ϵ -Cu phases on the surface have an area ratio of 0.1 to 4.0%, an average particle size of 10 to 300 nm, and a maximum interparticle distance of 100 to 1000 nm.

IPC 8 full level
C21D 9/46 (2006.01); **C22C 38/00** (2006.01); **C22C 38/58** (2006.01)

CPC (source: EP KR US)
C21D 1/26 (2013.01 - EP); **C21D 1/84** (2013.01 - US); **C21D 6/002** (2013.01 - EP); **C21D 6/004** (2013.01 - EP US); **C21D 6/005** (2013.01 - US); **C21D 6/007** (2013.01 - US); **C21D 6/008** (2013.01 - US); **C21D 8/005** (2013.01 - US); **C21D 8/0205** (2013.01 - EP); **C21D 8/0226** (2013.01 - EP KR); **C21D 8/0236** (2013.01 - KR); **C21D 8/0263** (2013.01 - EP); **C21D 8/0273** (2013.01 - KR); **C21D 9/46** (2013.01 - EP KR); **C22C 38/001** (2013.01 - KR US); **C22C 38/002** (2013.01 - EP US); **C22C 38/005** (2013.01 - EP US); **C22C 38/008** (2013.01 - EP KR US); **C22C 38/02** (2013.01 - US); **C22C 38/04** (2013.01 - EP US); **C22C 38/06** (2013.01 - EP US); **C22C 38/20** (2013.01 - EP); **C22C 38/42** (2013.01 - EP KR US); **C22C 38/44** (2013.01 - EP KR US); **C22C 38/46** (2013.01 - EP US); **C22C 38/48** (2013.01 - EP KR US); **C22C 38/50** (2013.01 - EP KR US); **C22C 38/52** (2013.01 - EP KR US); **C22C 38/54** (2013.01 - EP US); **C22C 38/58** (2013.01 - EP KR); **C23G 1/08** (2013.01 - KR); **C25F 3/24** (2013.01 - EP KR); **C21D 2211/001** (2013.01 - EP KR US); **C21D 2211/004** (2013.01 - EP); **C21D 2211/005** (2013.01 - EP KR US)

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

Designated validation state (EPC)
KH MA MD TN

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