

Title (en)

NICKEL BASED WEAR AND CORROSION PROTECTED SHANK ADAPTER

Title (de)

NICKEL-BASIERTER VERSCHLEISS- UND KORROSIONSGESCHÜTZTER SCHAFTADAPTER

Title (fr)

ADAPTATEUR DE TIGE À BASE DE NICKEL PROTÉGÉ CONTRE L'USURE ET LA CORROSION

Publication

**EP 4279704 A1 20231122 (EN)**

Application

**EP 22174655 A 20220520**

Priority

EP 22174655 A 20220520

Abstract (en)

A shank adapter to form part of a drilling assembly, the shank adapter comprising a longitudinal axis; an external surface; an internal surface; a threaded part provided at a forward end and a plurality of splines provided at a rearward end; and a machine part extending axially between the threaded part and the splines; characterised in that: at least a part of the external surface is coated with a first corrosion protection layer comprising nickel.

IPC 8 full level

**E21B 17/03** (2006.01); **C23C 22/00** (2006.01)

CPC (source: EP)

**E21B 17/03** (2013.01); **C23C 18/1653** (2013.01); **C23C 18/32** (2013.01)

Citation (search report)

- [X] EP 3916114 A1 20211201 - FURUKAWA ROCK DRILL CO LTD [JP]
- [A] EP 2614212 A2 20130717 - ATLAS COPCO SECOROC AB [SE]
- [A] US 2010059285 A1 20100311 - CARLSTROEM BO [SE], et al

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 4279704 A1 20231122**; WO 2023222775 A1 20231123

DOCDB simple family (application)

**EP 22174655 A 20220520**; EP 2023063288 W 20230517