

Title (en)
SURFACE PROCESSING METHOD FOR TANTALUM SPINNING HEAD

Title (de)
OBERFLÄCHENVERARBEITUNGSVERFAHREN FÜR TANTALSPINNKOPF

Title (fr)
PROCÉDÉ DE TRAITEMENT DE SURFACE DESTINÉ À UNE TÊTE DE REPOUSSAGE DE TANTALE

Publication
EP 3536827 A1 20190911 (EN)

Application
EP 18761041 A 20180302

Priority
• CN 201710124797 A 20170303
• CN 201710587999 A 20170719
• CN 2018077938 W 20180302

Abstract (en)
The present invention relates to a surface treatment method of tantalum spinneret, wherein the method comprises the following steps: (a) forming a layer of TaOfilm on the tantalum spinneret; (b) optionally polishing: polishing a fiber outlet face of the tantalum spinneret treated in step (a) to remove the TaOfilm on a surface of the fiber outlet face; and (c) coating: subjecting the tantalum spinneret treated in step (b) to a coating treatment by a molten salt electrochemical method to form a film layer containing lithium-containing compound.

IPC 8 full level
C25D 11/26 (2006.01); **D01D 4/02** (2006.01)

CPC (source: CN EP)
C23C 28/04 (2013.01 - EP); **C23C 28/042** (2013.01 - CN EP); **C25D 9/04** (2013.01 - CN); **C25D 11/26** (2013.01 - CN EP); **D01D 4/022** (2013.01 - EP)

Cited by
CN111005050A; CN113913953A

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

DOCDB simple family (publication)
EP 3536827 A1 20190911; **EP 3536827 A4 20200429**; **EP 3536827 B1 20220126**; **EP 3536827 B9 20220518**; CN 108531906 A 20180914; CN 108531906 B 20200529; ES 2908746 T3 20220503; ES 2908746 T9 20220613; JP 2020509250 A 20200326; JP 6808848 B2 20210106

DOCDB simple family (application)
EP 18761041 A 20180302; CN 201710587999 A 20170719; ES 18761041 T 20180302; JP 2019545305 A 20180302