

Title (en)  
IMPROVED METHODS FOR FINISHING EXTRUDED TITANIUM PRODUCTS

Title (de)  
VERBESSERTE VERFAHREN ZUR ENDBEARBEITUNG EXTRUDIERTER TITANERZEUGNISSE

Title (fr)  
PROCÉDÉS AMÉLIORÉS DE FINITION DE PRODUITS EXTRUDÉS EN TITANE

Publication  
**EP 3445888 A4 20190925 (EN)**

Application  
**EP 17786791 A 20170424**

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Abstract (en)  
[origin: US2017306467A1] The present disclosure relates to methods of finishing extruded titanium alloy workpieces by generating an extruded near net shape workpiece, cooling the extruded near net shape workpiece to a cooled temperature below the beta transus temperature, and then rolling the extruded near net shape workpiece one or more times at a rolling temperature to yield a final shape workpiece with desired properties.

IPC 8 full level  
**C22F 1/18** (2006.01); **B21B 1/092** (2006.01); **B21B 3/00** (2006.01); **B21C 23/00** (2006.01); **B21C 29/00** (2006.01); **C22C 14/00** (2006.01)

CPC (source: EP KR RU US)  
**B21B 1/092** (2013.01 - KR RU); **B21B 3/00** (2013.01 - KR RU US); **B21C 23/002** (2013.01 - EP US); **B21C 23/32** (2013.01 - US); **B21C 29/003** (2013.01 - EP US); **C22C 14/00** (2013.01 - EP US); **C22F 1/183** (2013.01 - EP KR RU US)

Citation (search report)  
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• [A] US 2012269671 A1 20121025 - DRING KEVIN [NO]  
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**US 2017306467 A1 20171026**; BR 112018067749 A2 20190115; CA 3016443 A1 20171026; CA 3016443 C 20210119; CN 109072390 A 20181221; CN 109072390 B 20210511; EP 3445888 A1 20190227; EP 3445888 A4 20190925; EP 3445888 B1 20231220; EP 3445888 C0 20231220; ES 2970914 T3 20240531; JP 2019512603 A 20190516; JP 6871938 B2 20210519; KR 102221443 B1 20210226; KR 20180107269 A 20181001; RU 2709568 C1 20191218; UA 123406 C2 20210331; WO 2017185079 A1 20171026

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**US 201715494844 A 20170424**; BR 112018067749 A 20170424; CA 3016443 A 20170424; CN 201780021843 A 20170424; EP 17786791 A 20170424; ES 17786791 T 20170424; JP 2018548388 A 20170424; KR 20187026525 A 20170424; RU 2018135552 A 20170424; UA A201810091 A 20170424; US 2017029064 W 20170424