

Title (en)  
ACIDIC CLEANING PROCESS FOR METAL PRODUCTS CONTAINING TITANIUM OR A CHEMICAL ELEMENT OF THE TITANIUM FAMILY

Publication  
**EP 0415807 A3 19910320 (FR)**

Application  
**EP 90402144 A 19900725**

Priority  
FR 8910093 A 19890726

Abstract (en)  
[origin: EP0415807A2] The process for pickling in an acid bath containing an oxidant is distinguished in that, to increase the action of the pickling process, at least one peroxygenated compound of titanium or at least one element of the titanium family included in the product to be pickled is formed, with the metal ionised to a higher valency, the formation of the peroxygenated compound is monitored by measuring the redox potential and the quantity of oxidising agent is limited to conserve an oxy-reduction potential above the passivation potential of the metal product.

IPC 1-7  
**C23G 1/10**

IPC 8 full level  
**C23F 1/26** (2006.01); **C23G 1/10** (2006.01)

CPC (source: EP KR)  
**C23G 1/02** (2013.01 - KR); **C23G 1/106** (2013.01 - EP)

Citation (search report)

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Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 0415807 A2 19910306; EP 0415807 A3 19910320; EP 0415807 B1 19941019;** AT E113080 T1 19941115; AU 6168490 A 19910311; AU 634277 B2 19930218; CA 2037893 A1 19910127; CA 2037893 C 20010724; DE 69013447 D1 19941124; DE 69013447 T2 19950223; ES 2064686 T3 19950201; FI 911398 A0 19910322; FI 93371 B 19941215; FI 93371 C 19950327; FR 2650303 A1 19910201; FR 2650303 B1 19931210; JP 2945136 B2 19990906; JP H04501139 A 19920227; KR 100191864 B1 19990615; KR 920701524 A 19920811; RU 2168560 C2 20010610; WO 9102109 A1 19910221

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