

Title (en)  
APPARATUS FOR AND METHOD OF CHROMIZING ARTICLES

Publication  
**EP 0420939 B1 19930825 (EN)**

Application  
**EP 89908116 A 19890519**

Priority  
US 21090688 A 19880624

Abstract (en)  
[origin: WO8912701A1] An apparatus (10) and a method for applying a chromized coating (46, 60, 62, 66) to one or more of the surfaces of an article (44, 56, 58, 64) particularly in those situations in which the article (44, 56, 58, 64) is intended to be employed in an application wherein the article (44, 56, 58, 64) will be subject to corrosion. The subject apparatus (10) includes a foundation (12), a retort (16) for receiving the articles (44, 56, 58, 64) to which the chromized coating is to be applied, an inlet (24) formed in the retort (16) for supplying a fluid medium therewithin, an outlet (26) formed in the retort (16) for enabling the fluid medium to exit therefrom after passing therethrough, supports (14) for supporting the retort (16) in spaced relation to the foundation (12), a furnace (28) which is movable to and from a position wherein the furnace (28) is located in surrounding relation to the retort (16) such that the furnace (28) is operative to effect the heating of the retort (16) for a preestablished period of time at a predetermined temperature, an inlet (38) formed in the furnace (28) for supplying a fluid medium therewithin, an outlet (40) formed in the furnace (28) for enabling the fluid medium to exit therefrom after passing therethrough, and seals (42) for sealing off the furnace (28) and thereby also the retort (16) from the environment surrounding the furnace (28) while the retort (16) is being heated by the furnace (28).

IPC 1-7  
**C23C 10/32; C23C 10/38**

IPC 8 full level  
**B65H 51/01** (2006.01); **C23C 10/32** (2006.01); **C23C 10/38** (2006.01); **C23C 10/40** (2006.01); **C23C 10/60** (2006.01); **F27B 5/00** (2006.01)

CPC (source: EP KR)  
**B65H 51/01** (2013.01 - EP); **C23C 10/28** (2013.01 - KR); **C23C 10/32** (2013.01 - EP); **C23C 10/38** (2013.01 - EP KR);  
**B65H 2701/31** (2013.01 - EP)

Designated contracting state (EPC)  
BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**WO 8912701 A1 19891228**; AU 3965689 A 19900112; AU 624848 B2 19920625; BR 8907514 A 19910528; CA 1330743 C 19940719; CN 1015479 B 19920212; CN 1039624 A 19900214; DE 68908705 D1 19930930; DE 68908705 T2 19940224; EP 0420939 A1 19910410; EP 0420939 B1 19930825; ES 2014674 A6 19900716; FI 906324 A0 19901220; IN 171976 B 19930227; JP H03501979 A 19910509; JP H0613750 B2 19940223; KR 900702072 A 19901205; KR 920004505 B1 19920608; MX 171041 B 19930927

DOCDB simple family (application)  
**US 8902121 W 19890519**; AU 3965689 A 19890519; BR 8907514 A 19890519; CA 602120 A 19890608; CN 89104378 A 19890623; DE 68908705 T 19890519; EP 89908116 A 19890519; ES 8902207 A 19890623; FI 906324 A 19901220; IN 432CA1989 A 19890605; JP 50763489 A 19890519; KR 900700370 A 19900221; MX 1635089 A 19890607