

Title (en)

Continuous method for preparing steel parts for resin coating.

Title (de)

Kontinuierliches Verfahren zum Präparieren von Metallgegenständen für die Beschichtung mit Harzen.

Title (fr)

Procédé en continu pour préparer de pièces en acier au revêtement résineux.

Publication

**EP 0474920 A1 19920318 (EN)**

Application

**EP 90125849 A 19901231**

Priority

US 57946890 A 19900907

Abstract (en)

In a method for providing steel parts with protective coatings including successive layers of zinc and chromate, the zinc layer being applied by zinc electroplating and the parts being washed with water prior to application of the chromate layer, the continuous treatment of the parts comprises : immediately following the water washing of the zinc-plated parts and while the parts are still wet, spraying the parts with an aqueous chromating solution containing chromic acid together with nitric acid and a least one salt providing activator anions, said chromating spraying wetting the exterior surfaces of the parts and being completed in not over 120 seconds with the formation of a yellow chromate layer on the parts. <IMAGE>

IPC 1-7

**C23C 22/24**; **C23C 22/76**; **C25D 19/00**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [Y] WO 8705949 A1 19871008 - HAYDU ROBERT [US]
- [A] EP 0149461 A1 19850724 - KAWASAKI STEEL CO [JP]
- [AD] FR 2375350 A1 19780721 - BASF AG [DE]
- [Y] PROCESS CONTROL AND AUTOMATION vol. 13, no. 2, February 1966, pages 40 - 41; 'versatile automatic plating plant'

Designated contracting state (EPC)

DE DK ES FR GB IT SE

DOCDB simple family (publication)

**EP 0474920 A1 19920318**; **EP 0474920 B1 19950215**; BR 9101473 A 19920616; DE 69017021 D1 19950323; DE 69017021 T2 19950608; DK 0474920 T3 19950522; ES 2070992 T3 19950616

DOCDB simple family (application)

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