

Title (en)

Process for electrolytic pickling of chrome containing stainless steel.

Title (de)

Verfahren zum elektrolytischen Beizen von chromhaltigem Edelstahl.

Title (fr)

Procédé de découpage électrolytique d'acier inoxydable contenant du chrome.

Publication

**EP 0291493 B1 19940817 (DE)**

Application

**EP 88890097 A 19880420**

Priority

AT 114787 A 19870507

Abstract (en)

[origin: US4851092A] In a process for the electrolytic pickling of chromium-containing stainless steel, pickling proceeds initially in an aqueous Na<sub>2</sub>SO<sub>4</sub> solution and subsequently in acid, preferably mixed acid. The CrO<sub>4</sub><sup>2-</sup> formed is converted by the addition of reducing agent and acid as a function of the pH value and the redox potential to Cr<sub>2</sub>(SO<sub>3</sub>)<sub>3</sub> or Cr<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>. H<sub>2</sub>SO<sub>4</sub> serves as the acid and a substance is used as a reducing agent selected from the group Na x Hy Sz Ov, wherein x=0 to 2, y=0 to 2, y=1 to 6 and v=2 to 6. The pH value is adjusted to less than three by the addition of acid.

IPC 1-7

**C25F 1/06**

IPC 8 full level

**C01G 37/14** (2006.01); **C25F 1/06** (2006.01)

CPC (source: EP KR US)

**C25F 1/02** (2013.01 - KR); **C25F 1/06** (2013.01 - EP US)

Citation (examination)

A.ARANEO -"CHIMICA ANALITICA QUALITATIVA" LIBRERIA ED., p.112

Cited by

FR2732041A1; ES2125795A1

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**EP 0291493 A1 19881117**; **EP 0291493 B1 19940817**; AT 387406 B 19890125; AT A114787 A 19880615; DE 3851086 D1 19940922; ES 2058340 T3 19941101; FI 86649 B 19920615; FI 86649 C 19920925; FI 882098 A0 19880505; FI 882098 A 19881108; JP 2649380 B2 19970903; JP S63286600 A 19881124; KR 880014141 A 19881223; KR 960001599 B1 19960202; US 4851092 A 19890725

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