

Title (en)

A process for the cleaning of metallic, for example iron or steel, internal surfaces of industrial equipment.

Title (de)

Reinigungsverfahren für die Innenflächen von industriellen Apparaten aus Metall, z.B. aus Eisen oder Stahl.

Title (fr)

Procédé de nettoyage pour des surfaces internes d'équipements industriels métalliques, par exemple en fer ou en acier.

Publication

**EP 0380169 B1 19951108 (EN)**

Application

**EP 90200135 A 19900118**

Priority

NL 8900106 A 19890118

Abstract (en)

[origin: EP0380169A1] Process for the cleaning during idle periods of metallic, for example iron or steel, internal surfaces of equipment used in the chemical industry, in which a cleaning fluid containing water, an acid and a corrosion inhibitor is pumped through the interior of the equipment at a flow rate of at least 0.5 m/s, whereby the cleaning fluid is passed through a reduction filter (1) disposed outside the equipment, which filter (1) contains a substantially metallic packing (5) with the highest practicable surface-to-weight ratio, and that the composition of the cleaning fluid is controlled during operation by measurement of the redox potential, which is maintained below a limiting value and amounts to nearly 280 mV or less, when measured with a platinum electrode against a saturated calomel-KCl electrode.

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**C23G 1/02**; **C23G 1/08**; **B01J 16/00**

IPC 8 full level

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CPC (source: EP)

**C23G 1/02** (2013.01); **C23G 1/08** (2013.01)

Citation (examination)

- JP S55131183 A 19801011 - MITSUBISHI GAS CHEMICAL CO
- FR 423829 A 19110427 - ROBERT AUGUSTUS CHESEBROUGH [US]

Cited by

US5545433A; US9102604B1; WO9323588A1; WO03027359A3

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