

Title (en)

Cleaning of equipment used in a liquid phase oxidation process.

Title (de)

Reinigung der in einem Flüssigphasen-Oxidationsverfahren verwendeten Ausrüstung.

Title (fr)

Nettoyage de l'équipement utilisé dans un procédé d'oxydation en phase liquide.

Publication

EP 0438833 A1 19910731 (EN)

Application

EP 90203478 A 19901220

Priority

GB 9000028 A 19900102

Abstract (en)

Composition for cleaning equipment used in a liquid phase oxidation process comprising an aqueous solution of between 3 and 30 %mass of a salt of sulphurous acid, between 0.5 and 30 %mass of a chelating agent and between 0.05 and 5 %mass of a cationic surfactant.

IPC 1-7

C11D 7/10; **C11D 7/32**

IPC 8 full level

C11D 10/02 (2006.01); **C11D 1/62** (2006.01); **C11D 3/02** (2006.01); **C11D 3/33** (2006.01)

CPC (source: EP KR)

C11D 1/00 (2013.01 - KR); **C11D 1/62** (2013.01 - EP); **C11D 3/042** (2013.01 - EP); **C11D 3/33** (2013.01 - EP)

Citation (search report)

- DE 3232263 A1 19830728 - DEARBORN CHEMICALS CO [US]
- GB 2172301 A 19860917 - UNILEVER PLC

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0438833 A1 19910731; **EP 0438833 B1 19960320**; AU 624756 B2 19920618; AU 6813390 A 19910704; CA 2031874 A1 19910703; CA 2031874 C 20001010; DE 69026063 D1 19960425; DE 69026063 T2 19960829; ES 2084653 T3 19960516; GB 9000028 D0 19900307; JP 2832493 B2 19981209; JP H04145199 A 19920519; KR 0184862 B1 19990415; KR 910014497 A 19910831

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EP 90203478 A 19901220; AU 6813390 A 19901214; CA 2031874 A 19901210; DE 69026063 T 19901220; ES 90203478 T 19901220; GB 9000028 A 19900102; JP 41551590 A 19901228; KR 900023035 A 19901231