

Title (en)

Corrosion inhibition of metals in water systems using organic phosphorous derivatives containing carboxyl groups.

Title (de)

Korrosionsverhinderung von Metallen in wässrigen Systemen mittels Carboxylgruppen enthaltender organischer Phosphorverbindungen.

Title (fr)

L'inhibition de la corrosion des métaux dans les systèmes aqueux à l'aide de dérivés organophosphoniques contenant des groupes carboxyles.

Publication

EP 0283191 A2 19880921 (EN)

Application

EP 88301999 A 19880308

Priority

US 2771487 A 19870319

Abstract (en)

The inhibition of metal corrosion in water systems by an organic phosphonocarboxylic and/or phosphinocarboxylic acid compound is improved by using in combination therewith a manganese compound capable of providing a manganese ion. The manganese may be in the chelated form with the phosphono- or phosphinocarboxylic compound.

IPC 1-7

C02F 5/14; **C23F 11/18**

IPC 8 full level

C23F 11/08 (2006.01); **C23F 11/167** (2006.01); **C23F 11/18** (2006.01)

CPC (source: EP KR)

C23F 11/08 (2013.01 - EP KR); **C23F 11/167** (2013.01 - KR); **C23F 11/18** (2013.01 - KR)

Cited by

US5760021A; US5229030A; US8025840B2; WO2010062461A1

Designated contracting state (EPC)

BE DE FR GB IT NL SE

DOCDB simple family (publication)

EP 0283191 A2 19880921; **EP 0283191 A3 19890315**; AU 1321288 A 19880922; DK 141388 A 19880920; DK 141388 D0 19880315; FI 881163 A0 19880311; FI 881163 A 19880920; JP S63259086 A 19881026; KR 880011376 A 19881028; NO 881091 D0 19880311; NO 881091 L 19880920; ZA 881767 B 19891129

DOCDB simple family (application)

EP 88301999 A 19880308; AU 1321288 A 19880317; DK 141388 A 19880315; FI 881163 A 19880311; JP 6558688 A 19880318; KR 880002927 A 19880319; NO 881091 A 19880311; ZA 881767 A 19880311