

Title (en)

COMPOSITION AND METHOD FOR INHIBITING CORROSION

Publication

EP 0006065 A3 19800123

Application

EP 79400353 A 19790601

Priority

US 91261678 A 19780605

Abstract (en)

[origin: EP0006065A2] A corrosion inhibitor composition and a method for its use in potable and industrial water treatment facilities for controlling corrosion encountered in water distribution systems such as turbine pump blades, the main distribution piping, their tributaries, and domestic and industrial piping comprises a weight ratio of PO₄ IDENTICAL to Zn# of about 2:1 to 3:1. When added to the raw water intake or other suitable point in small but effective quantities, it passivates metal surfaces. The inhibitor is effective within a pH range of about 5-9 but is especially effective in waters having a pH of 6.5-8.

IPC 1-7

C23F 11/18

IPC 8 full level

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

CPC (source: EP)

C23F 11/08 (2013.01); **C23F 11/188** (2013.01)

Citation (search report)

- [X] FR 2262129 A1 19750919 - DIA PROSIM [FR]
- [X] FR 2155153 A5 19730518 - PROGIL
- US 4089651 A 19780516 - SCOTT JAMES E
- US 3669616 A 19720613 - MURRAY WILLIAM BRUCE, et al
- CHEMICAL ABSTRACTS, vol. 44 (1950) Abstract 5786e, Columbus, Ohio, (USA) F.E. WORSNOP et al., "Prevention of corrosion of galvanized iron by glassy metaphosphates"; & CHEM. ENG. MINING REV. 42, 173-6 (1950)

Cited by

EP0225051A1; US4778655A; AT377788B; DE4425902A1; CN116640563A; US8513176B2; WO0107682A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LU NL SE

DOCDB simple family (publication)

EP 0006065 A2 19791212; EP 0006065 A3 19800123; DK 231879 A 19791206; IE 791032 L 19791205; JP S54159350 A 19791217

DOCDB simple family (application)

EP 79400353 A 19790601; DK 231879 A 19790601; IE 103279 A 19790808; JP 6953579 A 19790605