

Title (en)
METHOD OF INHIBITING BOILER CORROSION AND COMPOSITIONS FOR IT

Publication
EP 0215655 B1 19900110 (EN)

Application
EP 86307064 A 19860912

Priority
• US 77693585 A 19850917
• US 79500985 A 19851104
• US 80134985 A 19851125

Abstract (en)
[origin: EP0215655A1] A method of inhibiting corrosion in boilers and boiler feedwater systems comprises adding to boiler feedwater containing dissolved oxygen an additive that is at least one trihydroxybenzene compound, hexahydroxybenzene, levodopa, and/or a salt, homologue or analogue of levodopa. There may also be added, as second corrosion inhibitor, one or more of hydroquinone, methoxypropylamine, cyclohexylamine, diethylethanolamine, morpholine, diethyl hydroxylamine, dimethyl amino-2-propanol, carbohydrazide, 2-amino-2-methylpropanol, erythorbic acid, and salts of erythorbic acid. Compositions comprising the additive and such a second corrosion inhibitor are novel.

IPC 1-7
C02F 5/10; **C02F 5/12**; **C23F 11/12**; **C23F 11/14**

IPC 8 full level
C02F 5/10 (2006.01); **C02F 5/00** (2006.01); **C02F 5/08** (2006.01); **C23F 11/10** (2006.01); **C23F 11/12** (2006.01); **C23F 11/14** (2006.01)

CPC (source: EP)
C23F 11/10 (2013.01); **C23F 11/12** (2013.01); **C23F 11/14** (2013.01)

Citation (examination)
Kirk-Othmer: Encyclopedia of Chemical Technology, 3rd. ed., vol. 18 (1982), p.681; vol. 24(1984, p.379

Cited by
EP0343712A1; RU2702534C1; EP0426212A1; CN111233178A; KR100315497B1; KR100315496B1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0215655 A1 19870325; **EP 0215655 B1 19900110**; AU 592367 B2 19900111; AU 6273486 A 19870319; CA 1294420 C 19920121; DE 3668190 D1 19900215; JP 2617453 B2 19970604; JP S62116788 A 19870528

DOCDB simple family (application)
EP 86307064 A 19860912; AU 6273486 A 19860916; CA 518189 A 19860915; DE 3668190 T 19860912; JP 21735086 A 19860917