

Title (en)

Use of acylated 3-amino-1,2,4 triazoles as corrosion inhibitors for non-ferrous heavy metals.

Title (de)

Verwendung von acylierten 3-Amino-1,2,4-triazolen als Korrosionsinhibitoren für Buntmetalle.

Title (fr)

Utilisation de 3-amino-1,2,4 triazoles acylés comme inhibiteurs de corrosion de métaux lourds non ferreux.

Publication

EP 0249162 A1 19871216 (DE)

Application

EP 87108160 A 19870605

Priority

DE 3620025 A 19860613

Abstract (en)

[origin: US4874579A] 3-acylamino-1,2,4-triazoles corresponding to the following general formula <IMAGE> (I) and 1-acyl-3-amino-1,2,4-triazole corresponding to the general formula <IMAGE> (II) in which R is a linear or branched C1-11 alkyl or phenyl, and mixtures thereof are used as corrosion inhibitors for non-ferrous metals in aqueous systems, oils and oil-containing emulsions.

Abstract (de)

Die Erfindung betrifft die Verwendung von 3-Acylamino-1,2,4-triazolen der allgemeinen Formel (I) <IMAGE> und von 1-Acyl-3-amino-1,2,4-triazolen der allgemeinen Formel (II) <IMAGE> in denen R ein geradkettiger oder verzweigter Alkylrest mit 1 bis 11 C-Atomen oder ein Phenylrest ist, sowie deren Gemischen als Korrosionsinhibitoren für Buntmetalle in wäßrigen Systemen, Ölen und ölhaltigen Emulsionen.

IPC 1-7

C10M 133/44; **C23F 11/14**

IPC 8 full level

C07D 249/14 (2006.01); **C10M 133/44** (2006.01); **C10M 173/00** (2006.01); **C23F 11/14** (2006.01); **C10N 30/12** (2006.01); **C10N 40/04** (2006.01); **C10N 40/22** (2006.01); **C10N 40/24** (2006.01)

CPC (source: EP US)

C10M 133/44 (2013.01 - EP US); **C10M 173/00** (2013.01 - EP US); **C23F 11/149** (2013.01 - EP US); **C10M 2201/02** (2013.01 - EP US); **C10M 2201/063** (2013.01 - EP US); **C10M 2207/022** (2013.01 - EP US); **C10M 2207/125** (2013.01 - EP US); **C10M 2207/129** (2013.01 - EP US); **C10M 2207/18** (2013.01 - EP US); **C10M 2207/281** (2013.01 - EP US); **C10M 2207/282** (2013.01 - EP US); **C10M 2207/283** (2013.01 - EP US); **C10M 2207/286** (2013.01 - EP US); **C10M 2209/104** (2013.01 - EP US); **C10M 2209/105** (2013.01 - EP US); **C10M 2215/08** (2013.01 - EP US); **C10M 2215/082** (2013.01 - EP US); **C10M 2215/22** (2013.01 - EP US); **C10M 2215/221** (2013.01 - EP US); **C10M 2215/223** (2013.01 - EP US); **C10M 2215/225** (2013.01 - EP US); **C10M 2215/226** (2013.01 - EP US); **C10M 2215/28** (2013.01 - EP US); **C10M 2215/30** (2013.01 - EP US); **C10M 2219/022** (2013.01 - EP US); **C10M 2219/024** (2013.01 - EP US); **C10M 2219/044** (2013.01 - EP US); **C10N 2010/02** (2013.01 - EP US); **C10N 2040/02** (2013.01 - EP US); **C10N 2040/08** (2013.01 - EP US); **C10N 2040/20** (2013.01 - EP US); **C10N 2040/22** (2013.01 - EP US); **C10N 2040/24** (2013.01 - EP US); **C10N 2040/241** (2020.05 - EP US); **C10N 2040/242** (2020.05 - EP US); **C10N 2040/243** (2020.05 - EP US); **C10N 2040/244** (2020.05 - EP US); **C10N 2040/245** (2020.05 - EP US); **C10N 2040/246** (2020.05 - EP US); **C10N 2040/247** (2020.05 - EP US); **C10N 2050/01** (2020.05 - EP US)

Citation (search report)

- [Y] US 4283296 A 19810811 - NEBZYDOSKI JOHN W, et al
- [A] GB 2094776 A 19820922 - DEARBORN CHEMICALS LTD
- [Y] PATENT ABSTRACTS OF JAPAN, Band 10, Nr. 85 (C-336)[2142], 4. April 1986; & JP-A-60 218 484 (DENKI KAGAKU KOGYO K.K.) 01-11-1985
- [Y] CHEMICAL ABSTRACTS, Band 100, 1984, Seite 264, Zusammenfassung Nr. 214279e, Columbus, Ohio, US; & JP-A-59 09 178 (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD) 18-01-1984

Cited by

EP0367080A1; US5302304A; EP0716164A1; US6071629A; US6238621B1; US6511946B1; WO0006675A1; WO9961683A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0249162 A1 19871216; BR 8702978 A 19880308; DE 3620025 A1 19871217; JP S6310699 A 19880118; US 4874579 A 19891017

DOCDB simple family (application)

EP 87108160 A 19870605; BR 8702978 A 19870612; DE 3620025 A 19860613; JP 14780987 A 19870612; US 6229487 A 19870612