

Title (en)

Phosphoric triamide coking inhibitors.

Title (de)

Phosphorsäure-Triamide als Koksbindung-Inhibitoren.

Title (fr)

Triamides d'acide phosphorique inhibiteurs de dépôt de coke.

Publication

EP 0601609 A1 19940615 (EN)

Application

EP 93120003 A 19931210

Priority

- US 7145893 A 19930602
- US 99078292 A 19921210

Abstract (en)

Inhibiting coke formation on heat transfer surfaces used to heat or cool a petroleum feedstock at coke-forming conditions. The heat transfer surfaces are treated with an effective amount of a phosphoric amide (I) to inhibit coke formation on the heat transfer surfaces. The triperidinophosphine oxide is essentially free from contributing to corrosion and from producing catalyst-impairing by-products.

IPC 1-7

C10G 9/16

IPC 8 full level

C10G 9/16 (2006.01)

CPC (source: EP)

C10G 9/16 (2013.01)

Citation (search report)

- [A] US 4542253 A 19850917 - KAPLAN MORRIS [US], et al
- [A] EP 0326729 A1 19890809 - BETZ EUROP INC [US]
- [A] EP 0271998 A1 19880622 - BETZ EUROP INC [US]

Cited by

US6344431B1

Designated contracting state (EPC)

DE GB NL

DOCDB simple family (publication)

EP 0601609 A1 19940615; EP 0601609 B1 19990127; DE 69323285 D1 19990311; DE 69323285 T2 19990812

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