

Title (en)

ADDITIVES FOR REDUCING COKING OF FURNACE TUBES

Title (de)

ZUSATZSTOFFE ZUR REDUZIERUNG DER VERKOKUNG VON OFENROHREN

Title (fr)

ADDITIFS POUR RÉDUIRE LA COKÉFACTION DE TUBES DE CHAUDIÈRE

Publication

EP 2467453 A4 20130102 (EN)

Application

EP 10810582 A 20100819

Priority

- US 85721610 A 20100816
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- US 2010045965 W 20100819

Abstract (en)

[origin: US2011042268A1] Fouling of hot furnace surfaces in selected refinery processes can be stopped or at least mitigated using an antifouling agent. The antifouling agents include sulfurized oil and may include other components selected from the group consisting of magnesium and aluminum overbases, a-olefin copolymers, and combinations thereof. It is emphasized that this abstract is provided to comply with the rules requiring an abstract which will allow a searcher or other reader to quickly ascertain the subject matter of the technical disclosure. It is submitted with the understanding that it will not be used to interpret or limit the scope or meaning of the claims. 37 CFR 1.72(b)

IPC 8 full level

C10G 9/16 (2006.01); **C07C 4/04** (2006.01); **C09K 3/00** (2006.01)

CPC (source: EP US)

C10G 75/04 (2013.01 - EP US); **C10G 2300/4075** (2013.01 - EP US)

Citation (search report)

- [XY] US 4116812 A 19780926 - GODAR RICHARD L, et al
- [XY] EP 0877072 B1 20030625 - LUBRIZOL CORP [US]
- [XY] US 4828674 A 19890509 - FORESTER DAVID R [US]
- [Y] US 3197396 A 19650727 - STEDMAN RUSSELL F
- See references of WO 2011022529A2

Designated contracting state (EPC)

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DOCDB simple family (publication)

US 2011042268 A1 20110224; EP 2467453 A2 20120627; EP 2467453 A4 20130102; WO 2011022529 A2 20110224;
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