

Title (en)

TRANSFER LINE EXCHANGER WITH INLET CONE WITH IMPROVED EROSION RESISTANCE

Title (de)

TRANSFERLEITUNGSTAUSCHER MIT EINLAUFKONUS MIT VERBESSERTER EROSIONSBESTÄNDIGKEIT

Title (fr)

ÉCHANGEUR DE LIGNE DE TRANSFERT AVEC CÔNE D'ENTRÉE PRÉSENTANT UNE RÉSISTANCE À L'ÉROSION AMÉLIORÉE

Publication

EP 4379305 A1 20240605 (EN)

Application

EP 22210111 A 20221129

Priority

EP 22210111 A 20221129

Abstract (en)

A transfer line exchanger with an inlet cone with improved erosion resistance, a process for cracking hydrocarbons utilizing the transfer line exchanger and an apparatus for cracking hydrocarbons comprising the transfer line exchanger are disclosed.

IPC 8 full level

F28F 9/02 (2006.01); **F28D 7/16** (2006.01)

CPC (source: EP)

B01J 19/00 (2013.01); **C10G 9/002** (2013.01); **F28D 7/16** (2013.01); **F28F 9/02** (2013.01); **F28F 9/0263** (2013.01); **F28F 9/028** (2013.01); **F28F 19/00** (2013.01); **F28F 19/002** (2013.01); **F28D 2021/0075** (2013.01); **F28F 2265/10** (2013.01)

Citation (applicant)

- KR 101418137 B1 20140709
- US 4161192 A 19790717 - PORTER CHESTER D [US]
- US 2021190435 A1 20210624 - BENUM LESLIE WILFRED [CA], et al

Citation (search report)

- [XYI] US 6464949 B1 20021015 - LENGLET ERIC [FR], et al
- [X] US 2021123683 A1 20210429 - KIM SUN YOUNG [KR], et al
- [Y] GB 1190958 A 19700506 - LUMMUS CO [US]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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