

Title (en)

STEAM CRACKING INSTALLATION AND METHOD WITH SINGLE CONTROLLED INJECTION OF SOLID PARTICLES IN A QUENCHING EXCHANGER

Title (de)

DAMPFKRACK-EINRICHTUNG UND VERFAHREN MIT GEREGLTEN EINSTUFIGEN INJEKTION VON FESTSTOFFTEILCHEN IN EINEN QUENCH-KÜHLER

Title (fr)

INSTALLATION ET PROCEDE DE VAPOCRAQUAGE A INJECTION UNIQUE CONTROLEE DE PARTICULES SOLIDES DANS UN ECHANGEUR DE TREMPER

Publication

EP 0907695 A1 19990414 (FR)

Application

EP 97930571 A 19970624

Priority

- FR 9701118 W 19970624
- FR 9607871 A 19960625

Abstract (en)

[origin: WO9749784A1] The invention discloses a steam cracking installation and method with controlled injection of solid particles in a quenching exchanger (3). The particles are injected with a single axially injecting conduit located on the axis of the quenching exchanger feed hopper (2), immediately upstream of an impact separator-diffuser (6) comprising solid surfaces arranged opposite the conduit for the transfer of the cracked gases towards the exchanger; this impact separator-diffuser is located in the exchanger feed hopper (2), is permeable to gases by means of a plurality of passages, and has an opacity of at least 70 % as viewed from the transfer conduit.

IPC 1-7

C10G 9/16; **C10G 9/20**; **C10G 9/00**

IPC 8 full level

C10G 9/00 (2006.01); **C10G 9/16** (2006.01); **C10G 9/20** (2006.01); **F28G 1/12** (2006.01)

CPC (source: EP US)

C10G 9/002 (2013.01 - EP US); **C10G 9/16** (2013.01 - EP US); **F28G 1/12** (2013.01 - EP US); **Y10S 585/95** (2013.01 - EP US)

Citation (search report)

See references of WO 9749784A1

Designated contracting state (EPC)

DE GB IT NL

DOCDB simple family (publication)

WO 9749784 A1 19971231; EP 0907695 A1 19990414; FR 2750139 A1 19971226; FR 2750139 B1 19980807; JP 2000512681 A 20000926; US 6160192 A 20001212

DOCDB simple family (application)

FR 9701118 W 19970624; EP 97930571 A 19970624; FR 9607871 A 19960625; JP 50244598 A 19970624; US 20278799 A 19990308