

Title (en)

IMPROVED FCC FEED INJECTOR FAN TIP DESIGN

Title (de)

VERBESSERTER ENTWURF EINER FÄCHERFÖRMIGEN FCC-EINSPEISUNGSSPRITZDÜSE

Title (fr)

EXTREMITE DE PALE D'INJECTEUR D'ALIMENTATION DE CRAQUAGE CATALYTIQUE FLUIDE A CONCEPTION AMELIOREE

Publication

**EP 1163475 A1 20011219 (EN)**

Application

**EP 00919437 A 20000317**

Priority

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- US 27181399 A 19990318
- US 52221000 A 20000309

Abstract (en)

[origin: WO0055543A1] The invention relates to fluidized catalytic cracking ("FCC") processes using a high fluid throughput and low pressure drop, liquid atomizing process and apparatus. The process comprises forming a fluid mixture of a hot feed oil and a dispersion gas, such as steam, atomizing the mixture to form droplets, and then distributing the droplets into the FCC process. The apparatus (180) comprises a nozzle (184) having an improved spray distributor (150) end section.

IPC 1-7

**F23D 14/68**; C10G 9/28

IPC 8 full level

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CPC (source: EP)

**B01J 8/1827** (2013.01); **B01J 19/26** (2013.01); **C10G 11/18** (2013.01); **B01J 2208/00327** (2013.01); **B01J 2208/0053** (2013.01); **B01J 2208/00539** (2013.01); **B01J 2219/00119** (2013.01)

Citation (search report)

See references of WO 0055543A1

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