

Title (en)
FCC PROCESS INCORPORATING ATOMIZATION OF FCC FEED OIL

Title (de)
FCC-VERFAHREN MIT ATOMISIERUNG VON FCC-ÖL-AUSGANGSPRODUKTEN

Title (fr)
PROCEDE DE CRAQUAGE CATALYTIQUE FLUIDE CONSISTANT A ATOMISER DE L'HUILE D'ALIMENTATION DE CRAQUAGE CATALYTIQUE FLUIDE

Publication
EP 1194499 A1 20020410 (EN)

Application
EP 00918048 A 20000317

Priority

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- US 27181399 A 19990318
- US 52657800 A 20000316

Abstract (en)
[origin: CA2365530A1] A liquid atomization process comprises forming a two-phase fluid mixture of a liquid and a gas, under pressure, dividing the fluid into two separate streams which are passed into and through an impingement mixing zone (22) in which they are impingement mixed to form a single stream of two-phase fluid. The mixed, single stream is then passed into and through a shear mixing zone (24) and then into a lower pressure expansion zone (30), in which atomization occurs to form a spray of atomized drops of the liquid. The impingement (22) and shear (24) mixing zones comprise respective upstream (16) and downstream (18) portions of a single cavity (14) in a nozzle (10). This is useful for atomizing the hot oil in a FCC process.

IPC 1-7
C10G 9/28

IPC 8 full level
C10G 11/18 (2006.01); **C10G 9/28** (2006.01)

Citation (search report)
See references of WO 0055281A1

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