

Title (en)

Process and apparatus for heating regeneration gas in Fluid Catalytic Cracking

Title (de)

Verfahren und Vorrichtung zu Erwärmen von Regenerationsgas im Wirbelschichtverfahren des katalytischen Cracking

Title (fr)

Procédé et appareil de chauffage du gaz de régénération dans le procédé de craquage catalytique en lit fluidisé

Publication

EP 2022838 A1 20090211 (EN)

Application

EP 08252577 A 20080729

Priority

- US 83214707 A 20070801
- US 83215207 A 20070801

Abstract (en)

Disclosed is a process and apparatus for combusting dry gas to heat the air supplied to an FCC regenerator to increase its temperature and minimize production of undesirable combustion products. Preferably, the dry gas is a selected FCC product gas. Alternatively or additionally, dry gas from an FCC product stream is separated and delivered to an expander to recover power before combustion.

IPC 8 full level

C10G 11/18 (2006.01); **F01K 3/00** (2006.01)

CPC (source: EP)

C10G 11/182 (2013.01); **C10G 11/185** (2013.01); **F01K 13/00** (2013.01)

Citation (search report)

- [PX] EP 1939269 A1 20080702 - UOP LLC [US], et al
- [PX] EP 1935966 A1 20080625 - UOP LLC [US], et al
- [X] US 4542114 A 19850917 - HEGARTY WILLIAM P [US]

Cited by

EP2077157A1; EP2077310A1; US2013137909A1; KR20140049033A; US9458394B2; US7699974B2; US7699975B2; US7767075B2; US7935245B2; US7811446B2; US7921631B2; US7932204B2

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EP 08252577 A 20080729; BR PI0802436 A 20080731; CO 08079808 A 20080731; MX 2008009844 A 20080731