

Title (en)

Fluid catalytic cracking regenerator with reduced NOx emissions

Title (de)

Katalytischer Crackregenerator in der Flüssigphase mit reduzierter Emission von NOx

Title (fr)

Régénérateur de craquage catalytique en lit fluidisé avec une émission réduite de NOx

Publication

EP 1201729 A3 20021120 (EN)

Application

EP 01309166 A 20011030

Priority

US 70297500 A 20001031

Abstract (en)

[origin: EP1201729A2] A method for inhibiting the formation of nitrogen oxides in a carbon monoxide boiler 22 using fuel gas to burn the carbon monoxide downstream of an FCC regenerator 2 by introducing an oxygen-enriched gas into the boiler 22. Preferably, a nitrogen-enriched gas is simultaneously added to the boiler which further reduces the formation of nitrogen oxides. <IMAGE>

IPC 1-7

C10G 11/18

IPC 8 full level

C10G 11/18 (2006.01)

CPC (source: EP)

C10G 11/182 (2013.01); **C10G 11/185** (2013.01)

Citation (search report)

- [X] EP 0578401 A1 19940112 - MOBIL OIL CORP [US]
- [X] US 4755282 A 19880705 - SAMISH NORMAN C [US], et al
- [X] US 5021144 A 19910604 - ALTRICHTER DIANA M [US]
- [X] US 2853455 A 19580923 - CAMPBELL OLIVER F, et al

Cited by

US8415264B2; WO2016200566A1; US9890334B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1201729 A2 20020502; EP 1201729 A3 20021120

DOCDB simple family (application)

EP 01309166 A 20011030