

Title (en)

AN IMPROVED PROCESS FOR THE LIQUEFACTION OF SOLID CARBONACEOUS MATERIALS

Publication

EP 0082586 A3 19841010 (EN)

Application

EP 82304209 A 19820810

Priority

US 33258381 A 19811221

Abstract (en)

[origin: EP0082586A2] An improved process for liquefying solid carbonaceous materials wherein liquefaction yields are increased by extracting the normally solid bottoms product with a solvent containing donatable hydrogen. The extraction is accomplished at a temperature within the range from about 50 to about 600 DEG F and at a pressure within the range from about 0 to about 750 psig and at least a portion of the extract is recycled to the liquefaction reaction zone.

IPC 1-7

C10G 1/04

IPC 8 full level

C10G 1/06 (2006.01); **C10G 1/00** (2006.01)

CPC (source: EP)

C10G 1/006 (2013.01)

Citation (search report)

[X] FR 2362205 A1 19780317 - EXXON RESEARCH ENGINEERING CO [US]

Cited by

EP0203240A1; US9061953B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0082586 A2 19830629; EP 0082586 A3 19841010; AU 552352 B2 19860529; AU 8742382 A 19830630; BR 8204822 A 19830802; CA 1190167 A 19850709; JP S58109587 A 19830629; ZA 825107 B 19830427

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EP 82304209 A 19820810; AU 8742382 A 19820819; BR 8204822 A 19820818; CA 407523 A 19820719; JP 14352882 A 19820820; ZA 825107 A 19820716