

Title (en)
ADJUSTABLE BOOSTER FOR FLUIDIZED BED GASIFIERS

Publication
EP 0150091 A3 19860611 (EN)

Application
EP 85300232 A 19850114

Priority
US 57048684 A 19840113

Abstract (en)
[origin: EP0150091A2] A process for optimizing the ash separation and cooling operation of a fluidized bed gasifier which produces a mixture of ash and char from a carbonaceous material, comprising the steps of feeding the carbonaceous material to a gasifier at a first rate, discharging the mixture from the gasifier at a second rate approximately equal to a rate of introduction of ash contained in the carbonaceous material fed into the gasifier, maintaining the discharge temperature of the mixture below a temperature T, injecting a first gas at a first elevation within the gasifier, injecting a second gas at a second elevation which is above the first elevation to refluidize a portion of the mixture, measuring the ash content of the discharged mixture, and measuring sintering of ash of the discharged mixture; characterized by the further steps of (1) raising the second gas injection elevation to increase the ash content of lowering the second gas injection elevation to reduce sintering of the discharged ash, and 0(2) repeating the above process until both ash content and sintering of ash of the discharged mixture is acceptable.

IPC 1-7
C10J 3/52

IPC 8 full level
C10J 3/46 (2006.01); **C10J 3/52** (2006.01)

CPC (source: EP KR)
C10J 3/482 (2013.01 - EP); **C10J 3/50** (2013.01 - KR); **C10J 3/503** (2013.01 - EP); **C10J 3/523** (2013.01 - EP); **C10J 3/723** (2013.01 - EP); **C10J 2200/156** (2013.01 - EP); **C10J 2300/093** (2013.01 - EP); **C10J 2300/0956** (2013.01 - EP); **C10J 2300/0959** (2013.01 - EP); **C10J 2300/0976** (2013.01 - EP); **C10J 2300/1823** (2013.01 - EP)

Citation (search report)
• [A] US 4400181 A 19830823 - SNELL GEORGE J [US], et al
• [AD] US 4309194 A 19820105 - SALVADOR LOUIS A, et al
• [AD] EP 0022897 A1 19810128 - WESTINGHOUSE ELECTRIC CORP [US]

Cited by
US6719952B1

Designated contracting state (EPC)
BE DE FR GB IT

DOCDB simple family (publication)
EP 0150091 A2 19850731; **EP 0150091 A3 19860611**; AU 3762385 A 19850718; BR 8500124 A 19850820; JP S60161484 A 19850823; KR 850005485 A 19850826; ZA 85155 B 19851030

DOCDB simple family (application)
EP 85300232 A 19850114; AU 3762385 A 19850111; BR 8500124 A 19850111; JP 392785 A 19850113; KR 850000144 A 19850111; ZA 85155 A 19850107