

Title (en)
DUST-LADEN WET GAS TREATMENT

Title (de)
BEHANDLUNG VON STAUBBELADENEM FEUCHTGAS

Title (fr)
TRAITEMENT DE GAZ HUMIDE CONTENANT DES POUSSIÈRES

Publication
EP 2296783 A2 20110323 (FR)

Application
EP 09772720 A 20090615

Priority
• FR 2009051130 W 20090615
• FR 0854527 A 20080703

Abstract (en)
[origin: WO2010001038A2] Method of producing a CO₂-enriched gas from a feed gas comprising 10 to 75 mol% carbon dioxide (CO₂), water vapour, at least one constituent chosen from hydrogen, CO, methane, nitrogen, oxygen and argon, and solid particles, employing a PSA unit, characterized in that the feed gas is at least partially dried upstream of the PSA unit and enters said PSA unit with a solid-particle concentration of between 0.01 and 100 mg/m³.

IPC 8 full level
B01D 53/047 (2006.01); **B01D 53/26** (2006.01); **B01D 53/62** (2006.01); **B01D 53/75** (2006.01); **C01B 32/50** (2017.01)

CPC (source: EP US)
B01D 53/047 (2013.01 - EP US); **B01D 53/261** (2013.01 - EP US); **B01D 53/265** (2013.01 - EP US); **B01D 53/75** (2013.01 - EP US); **F23J 15/08** (2013.01 - EP US); **B01D 53/0462** (2013.01 - EP US); **B01D 2253/102** (2013.01 - EP US); **B01D 2253/104** (2013.01 - EP US); **B01D 2253/106** (2013.01 - EP US); **B01D 2253/108** (2013.01 - EP US); **B01D 2256/22** (2013.01 - EP US); **F23J 2219/60** (2013.01 - EP US)

Citation (search report)
See references of WO 2010001038A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2010001038 A2 20100107; **WO 2010001038 A3 20100225**; AU 2009265502 A1 20100107; CA 2729366 A1 20100107; CA 2729366 C 20161004; CN 102076398 A 20110525; EP 2296783 A2 20110323; FR 2933313 A1 20100108; FR 2933313 B1 20110722; JP 2011526571 A 20111013; JP 5657532 B2 20150121; US 2011088551 A1 20110421; US 8388734 B2 20130305; ZA 201009215 B 20110928

DOCDB simple family (application)
FR 2009051130 W 20090615; AU 2009265502 A 20090615; CA 2729366 A 20090615; CN 200980125257 A 20090615; EP 09772720 A 20090615; FR 0854527 A 20080703; JP 2011515540 A 20090615; US 99916909 A 20090615; ZA 201009215 A 20101222