

Title (en)
PROCESS FOR DRYING WET GAS WITH DESICCANTS AND FOR REGENERATING THE DESICCANTS WITH SYNGAS FOR IMPLEMENTING WATER GAS SHIFT

Title (de)
VERFAHREN ZUM TROCKNEN EINES FEUCHTEN GASES MIT TROCKNUNGSMITTELN UND ZUR REGENERIERUNG DER TROCKNUNGSMITTEL MIT SYNTHESGAS ZUR IMPLEMENTIERUNG EINER WASSER-GAS-SHIFTREAKTION

Title (fr)
PROCEDE DE SECHAGE DE GAZ HUMIDE PAR DESSICANTS ET DE REGENERATION DES DESSICANTS PAR GAZ DE SYNTHESE POUR MISE EN OEUVRE DE LA REACTION DE GAZ A L'EAU

Publication
EP 2925424 A1 20151007 (FR)

Application
EP 13820954 A 20131127

Priority
• FR 1261425 A 20121129
• IB 2013060452 W 20131127

Abstract (en)
[origin: WO2014083517A1] The invention relates to a process and equipment for drying wet gas by means of desiccants and for regenerating the desiccants, the process comprising the following steps: • a) adsorption of the water contained in a wet gas by circulating said gas on at least one bed of desiccants, • b) regeneration of the desiccants by circulating a syngas on the at least partially saturated desiccants so as to implement the reaction known as water gas shift.

IPC 8 full level
B01D 53/04 (2006.01); **B01D 53/12** (2006.01); **B01D 53/26** (2006.01); **C10K 3/04** (2006.01)

CPC (source: EP)
B01D 53/0462 (2013.01); **B01D 53/12** (2013.01); **B01D 53/261** (2013.01); **C10K 1/20** (2013.01); **C10K 1/30** (2013.01); **C10K 3/04** (2013.01); **B01D 2253/104** (2013.01); **B01D 2255/20738** (2013.01); **B01D 2255/20746** (2013.01); **B01D 2255/20769** (2013.01); **B01D 2257/502** (2013.01); **B01D 2257/80** (2013.01); **B01D 2259/40056** (2013.01); **B01D 2259/402** (2013.01); **C10J 2300/0909** (2013.01); **C10J 2300/0916** (2013.01); **C10J 2300/092** (2013.01); **C10J 2300/1659** (2013.01); **Y02P 20/145** (2015.11)

Citation (search report)
See references of WO 2014083517A1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
FR 2998483 A1 20140530; EP 2925424 A1 20151007; WO 2014083517 A1 20140605

DOCDB simple family (application)
FR 1261425 A 20121129; EP 13820954 A 20131127; IB 2013060452 W 20131127