

Title (en)
METHODS OF CONTROLLING MERCURY EMISSION

Title (de)
VERFAHREN ZUR KONTROLLE DER QUECKSILBEREMISSION

Title (fr)
PROCÉDÉS DE LIMITATION DE L'ÉMISSION DE MERCURE

Publication
EP 2908927 A4 20160629 (EN)

Application
EP 13848441 A 20131018

Priority
• US 201213657484 A 20121022
• US 2013065701 W 20131018

Abstract (en)
[origin: WO2014066175A1] A method for the reduction of the emission of mercury into the environment from the burning of fossil fuels with the use of polydithiocarbamic compounds. The polydithiocarbamic compounds are used for the capture of mercury from the resulting flue gases using a flue gas desulfurization systems or scrubbers. The method uses polydithiocarbamic compounds in conjunction with a scrubber to capture mercury and reduce its emission and/or re-emission with stack gases. The method is a unique process of reducing the toxic levels of mercury, which allows for the use of coal as a clean and environmentally friendlier fuel source.

IPC 8 full level
B01D 53/14 (2006.01); **B01D 53/48** (2006.01); **B01D 53/50** (2006.01); **B01D 53/64** (2006.01); **B01D 53/78** (2006.01)

CPC (source: EP)
B01D 53/346 (2013.01); **B01D 53/502** (2013.01); **B01D 53/64** (2013.01); **B01D 53/79** (2013.01); **F23J 15/04** (2013.01); **B01D 2251/60** (2013.01); **B01D 2251/80** (2013.01); **B01D 2258/0283** (2013.01); **F23J 2215/60** (2013.01)

Citation (search report)
• [X] US 2012177555 A1 20120712 - KEISER BRUCE A [US], et al
• [XP] US 2013180923 A1 20130718 - KEISER BRUCE A [US], et al
• [XP] WO 2013119544 A1 20130815 - NALCO CO [US]
• See references of WO 2014066175A1

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

DOCDB simple family (publication)
WO 2014066175 A1 20140501; CN 104755152 A 20150701; CN 104755152 B 20160907; EP 2908927 A1 20150826; EP 2908927 A4 20160629; EP 3272409 A1 20180124; EP 3272409 B1 20190911; PL 3272409 T3 20200601

DOCDB simple family (application)
US 2013065701 W 20131018; CN 201380054620 A 20131018; EP 13848441 A 20131018; EP 17184510 A 20131018; PL 17184510 T 20131018