

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
17 August 2017 (17.08.2017)



(10) International Publication Number
WO 2017/139738 A8



- (51) **International Patent Classification:**
B01D 53/86 (2006.01) *B01D 53/52* (2006.01)
- (21) **International Application Number:**
PCT/US2017/017616
- (22) **International Filing Date:**
13 February 2017 (13.02.2017)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
62/293,963 11 February 2016 (11.02.2016) US
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- (81) **Designated States** (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,

AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KH, KN, KP, KR,
KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG,
MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM,
PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC,
SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

- (84) **Designated States** (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— of inventorship (*Rule 4.17(iv)*)

Published:

— with international search report (*Art. 21(3)*)

(54) **Title:** METHOD AND APPARATUS FOR SULFUR REMOVAL

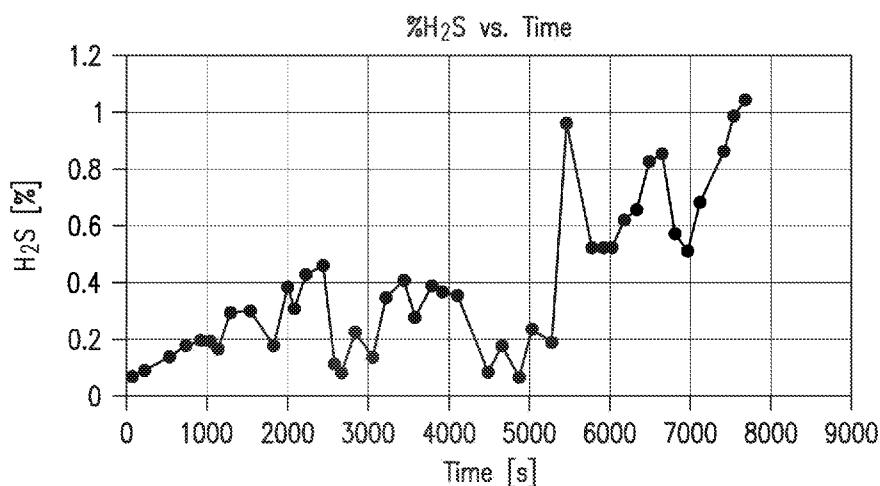


FIG.5

(57) **Abstract:** Provided is a method for removing hydrogen sulfide from a gas stream. The method includes contacting the gas stream with a reactor that is configured to remove the hydrogen sulfide. The reactor includes at least one nano-sized metal.



(48) Date of publication of this corrected version:

27 September 2018 (27.09.2018)

(15) Information about Correction:

see Notice of 27 September 2018 (27.09.2018)