

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
26 September 2024 (26.09.2024)



(10) International Publication Number
WO 2024/196637 A1

(51) International Patent Classification:

B01D 53/96 (2006.01) **C01B 21/20** (2006.01)
B01J 37/00 (2006.01)

(21) International Application Number:

PCT/US2024/019514

(22) International Filing Date:

12 March 2024 (12.03.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/452,947 17 March 2023 (17.03.2023) 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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available):

ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, 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).

Published:

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

(54) Title: IN-SITU REGENERATION OF FILTER MEDIUM FOR IMPROVING CATALYTIC EFFICIENCY

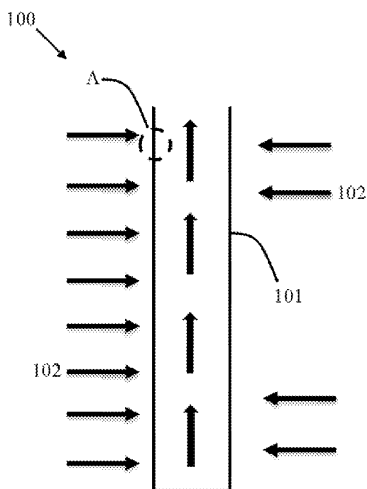


FIG. 1A

(57) Abstract: Various aspects of the present disclosure are directed towards apparatuses, systems, and methods of regenerating a filter medium for use in cleaning flue gas stream. The method may include increasing NO_x removal efficiency of the filter medium by increasing the upstream NO₂ concentration, wherein increasing the upstream NO₂ concentration includes oxidizing NO to form additional NO₂ outside the flue gas stream, and introducing the additional NO₂ into the flue gas stream.

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