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(72) Inventeurs/Inventors:
TAKACS, THERESA J., US;
BALMER, ROBERT G., US;
HURST, BOYD E., US;
MCLAUGHLIN, WILLIAM J., US;
KNIGHT, DAVID G., US;
CUNIC, JOHN D., US;
...

(73) Propriétaire/Owner:

(54) Titre : OXYDATION DES NO_x AU MOYEN DE CHLORITE DE SODIUM, EN COMBINAISON AVEC UN PROCEDE
THERMIQUE D'ELIMINATION DE NO_x
(54) Title: OXIDATION OF NO_x'S WITH SODIUM CHLORITE IN COMBINATION WITH A THERMAL NO_x REMOVAL
PROCESS

(57) Abrégé/Abstract:

A process for reducing NO_x concentrations in waste gas streams by contacting the waste gas stream with a reducing agent selected from ammonia and urea and then oxidizing the lower NO_x's present in the waste gas streams to higher oxides with sodium chlorite.



(72) Inventeurs(suite)/Inventors(continued): SHAW, HENRY, US; YANG, CHEN-LU, US; GU, PIN, US

(73) Propriétaires(suite)/Owners(continued): EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US

(74) Agent: BORDEN LADNER GERVAIS LLP

[0009] In another embodiment, the higher oxides of the NO_x's are removed from the waste gas stream by a method selected from the group consisting of alkaline solution absorption, reducing solution absorption, scrubbing, ammonia injection, catalytic conversion, and absorption with water.

[0010] In another embodiment of the present invention, an effective amount of reducing agent and readily-oxidizable gas are injected into an existing regenerator overhead line at a point upstream of an FCCU's heat recovery device.

[0011] In another embodiment of the present invention, an effective amount of reducing agent and readily-oxidizable gas are simultaneously injected into an existing regenerator overhead line at multiple locations upstream of an FCCU's heat recovery device.

[0012] In yet another embodiment of the present invention, the readily-oxidizable gas is hydrogen and the reducing agent is ammonia.

