Title (en)
METHOD FOR REDUCING SOX EMISSIONS DURING THE COMBUSTION OF SULFUR-CONTAINING COMBUSTIBLE COMPOSITIONS

Title (de)
VERFAHREN ZUR ERMÄSSIGUNG DES AUSSTOSSES VON SCHWEFELOXYDEN WÄHREND DER VERBRENNUNG VON SCHWEFEL ENTHALTENDEN BRENNSTOFFEN

Title (fr)
PROCEDE DE REDUCTION DES DEGAGEMENTS D'OXYDES DE SOUFRE PENDANT LA COMBUSTION DES COMPOSITIONS COMBUSTIBLES A TENEUR EN SOUFRE

Publication
EP 0494860 B1 19951227 (EN)

Application
EP 90905073 A 19890920

Priority
US 8904121 W 19890920

Abstract (en)
[origin: WO9104310A1] This invention relates to the reduction of oxidized sulfur compound SOX emissions produced during combustion of sulfur (S)-containing combustible compounds. More particularly, this invention provides a method for reducing such emissions wherein the combustible compound is mixed with an admixture of a water soluble and a water insoluble sulfur sorbent. Use of such admixtures, remarkably, produces a reduction in the SOX level far greater than would be expected based on the activity of each sorbent alone. Extremely viscous hydrocarbons can be burned as preatomized fuels, which can also be mixed with sorbent admixtures. Clean burning fuels comprising sulfur-containing combustible compounds and sorbent admixtures are also provided.

IPC 1-7
C10L 1/12; C10L 1/32; C10L 9/10

IPC 8 full level
C10L 1/10 (2006.01); **C10L 1/12** (2006.01); **C10L 1/32** (2006.01); **C10L 9/10** (2006.01); **C10L 10/00** (2006.01); **C10L 10/04** (2006.01);
F23C 99/00 (2006.01); **F23K 5/08** (2006.01); C10L 1/18 (2006.01)

CPC (source: EP)
C10L 1/10 (2013.01); **C10L 1/1233** (2013.01); **C10L 1/326** (2013.01); **C10L 1/328** (2013.01); **C10L 10/02** (2013.01); C10L 1/1881 (2013.01)

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 9104310 A1 19910404; AT E132179 T1 19960115; DE 68925288 D1 19960208; DE 68925288 T2 19960613; EP 0494860 A1 19920722;
EP 0494860 A4 19921125; EP 0494860 B1 19951227; JP 2892155 B2 19990517; JP H05501889 A 19930408

DOCDB simple family (application)
US 8904121 W 19890920; AT 90905073 T 19890920; DE 68925288 T 19890920; EP 90905073 A 19890920; JP 50640190 A 19890920