

Title (en)

Combustion of carbon containing materials in a furnace.

Title (de)

Verbrennung von kohlenstoffhaltigen Materialien in einem Ofen.

Title (fr)

Combustion de matériaux carbonés dans un four.

Publication

EP 0346100 A1 19891213 (EN)

Application

EP 89305754 A 19890607

Priority

CA 568930 A 19880608

Abstract (en)

A process for improving combustion efficiency in a coal-fired furnace comprising injecting an additive composition comprising a ferrocene compound or its derivatives and an organic carrier liquid in which the ferrocene or its derivatives is soluble, has a high flash point and is an injectable liquid at operating temperatures wherein the quantity of air introduced to the furnace is reduced to low NO_x emissions with minimal increase in soot emissions.

IPC 1-7

C10L 10/00; F23J 7/00

IPC 8 full level

F23C 99/00 (2006.01); **C10L 9/10** (2006.01); **C10L 10/00** (2006.01); **F23J 7/00** (2006.01)

CPC (source: EP)

C10L 10/02 (2013.01); **C10L 10/04** (2013.01); **F23J 7/00** (2013.01)

Citation (search report)

- [X] US 3927992 A 19751223 - KERLEY ROBERT V
- [A] US 3746498 A 19730717 - STENGEL M
- [A] REVUE GENERALE DE THERMIQUE, vol. 21, no. 248/249, August/September 1982, pages 649-663, Paris, FR; G. FLAMENT et al.: "Réduction simultanée de No_x et SO₂ dans les flammes de charbon pulvérisé par application combinée de la combustion étagée et de l'injection directe de chaux"

Cited by

EP1918015A1; EA013898B1; EP3239279A1; US9291098B2; WO2008020169A3

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