

Title (en)

CONDITIONED QUICKLIME FOR INJECTION TO A MOLTEN BATH OF A STEEL-MAKING VESSEL

Title (de)

KONDITIONIERTER BRANNTKALK ZUR INJEKTION IN EIN SCHMELZFLÜSSIGES BAD EINES STAHLHERSTELLUNGSBEHÄLTERS

Title (fr)

CHAUX VIVE CONDITIONNEE POUR INJECTION DANS UN BAIN EN FUSION D'UNE CUVE DE FABRICATION DE L'ACIER

Publication

EP 1984526 A1 20081029 (EN)

Application

EP 06734571 A 20060209

Priority

US 2006004410 W 20060209

Abstract (en)

[origin: WO2007092006A1] In a method of producing steel using a steel-making vessel, where lime is used as a flux material that is blown, from above, into a steel-making bath along with an oxygen stream, providing a flux material composition of calcium oxide having a particle size of less than 250 mesh, which contains a flow aid material that is a polymeric siloxane, in an amount of less than 0.5 percent by weight of the calcium oxide, and injecting the flux material composition through a lance along with oxygen into the steel-making bath contained in the steel-making vessel .

IPC 8 full level

C21C 7/00 (2006.01); **C21C 7/076** (2006.01)

CPC (source: EP US)

C21C 7/0037 (2013.01 - EP US); **C21C 7/076** (2013.01 - EP US); **C21C 1/025** (2013.01 - EP US); **C21C 7/0645** (2013.01 - EP US); **C21C 7/068** (2013.01 - EP US); **Y02P 10/20** (2015.11 - EP US)

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