

Title (en)

A METHOD FOR INCREASING VESSEL LINING LIFE FOR BASIC OXYGEN FURNACES

Publication

**EP 0015396 B1 19850515 (EN)**

Application

**EP 80100604 A 19800206**

Priority

US 1031579 A 19790207

Abstract (en)

[origin: EP0015396A1] A method for increasing the life of the refractory lining of a basic-refractory-lined vessel for the production of steel by blowing oxygen into a ferrous melt from above the surface of the melt, comprising: (a) introducing into the vessel slag forming ingredients, including dolomitic lime, such that the amount of dolomitic lime exceeds the amount normally used, and (b) introducing inert gas into the melt in such manner as to cause intensive interaction between the slag and the melt. The preferred inert gas is argon.

IPC 1-7

**C21C 5/44**; **C21C 5/36**

IPC 8 full level

**C21C 5/32** (2006.01); **C21C 5/36** (2006.01); **C21C 5/44** (2006.01); **C21C 7/00** (2006.01)

CPC (source: EP)

**C21C 5/36** (2013.01); **C21C 5/443** (2013.01); **C21C 2005/366** (2013.01)

Citation (examination)

Stahl und Eisen 96 (1976), pages 878/879

Cited by

GB2553342A; FR2603692A1; CN1035017C; DE3936715A1; US5201941A; WO9106683A1

Designated contracting state (EPC)

BE DE FR GB IT LU NL

DOCDB simple family (publication)

**EP 0015396 A1 19800917**; **EP 0015396 B1 19850515**; AU 5526080 A 19800814; BR 8000733 A 19801021; CA 1143947 A 19830405; DE 3070636 D1 19850620; ES 488303 A0 19801101; ES 8100349 A1 19801101; FI 800335 A 19800808; IN 153626 B 19840728; JP S55107714 A 19800819; JP S5952201 B2 19841218; MX 154163 A 19870528; NO 800301 L 19800808; PH 15430 A 19830118; RO 79757 A 19830201; ZA 80213 B 19801231

DOCDB simple family (application)

**EP 80100604 A 19800206**; AU 5526080 A 19800206; BR 8000733 A 19800206; CA 342245 A 19791219; DE 3070636 T 19800206; ES 488303 A 19800206; FI 800335 A 19800204; IN 40DE1980 A 19800121; JP 1160080 A 19800204; MX 18108980 A 19800206; NO 800301 A 19800205; PH 23600 A 19800205; RO 10010780 A 19800206; ZA 80213 A 19800114