

Title (en)

Coke for use in the production of gray iron; method of producing said coke and method of producing gray iron by using said coke.

Title (de)

Koks der bei der Herstellung von grauem Gusseisen verwendbar ist; Verfahren zur Herstellung von diesem Koks und Verfahren zur Herstellung von grauem Gusseisen unter Verwendung dieses Koks.

Title (fr)

Coke utilisable dans la production de fonte grise; procédé pour la production dudit coke et procédé pour la production de fonte grise en utilisant ledit coke.

Publication

EP 0004922 A1 19791031 (EN)

Application

EP 79101071 A 19790409

Priority

US 89657978 A 19780414

Abstract (en)

An effective amount of silicon carbide, preferably mixed with graphite, is added to the blend of coals used to make a foundry coke, the blend is thoroughly mixed, pulverized, and coked in a by-product coke oven. The resulting coke has improved physical and chemical properties allowing production of gray iron with less fuel. Gray iron castings with improved hardness control at lower cost are produced by the inoculating effect of the silicon from silicon carbide and graphite in the mixture.

IPC 1-7

C10B 57/06; **C21C 1/08**

IPC 8 full level

C10B 57/00 (2006.01); **C10B 57/06** (2006.01); **C21C 1/08** (2006.01)

CPC (source: EP)

C10B 57/06 (2013.01); **C21C 1/08** (2013.01)

Citation (search report)

- US 2527829 A 19501031 - LEITTEN CARL F
- US 2119521 A 19380607 - BROWN WILLIAM A
- DE 714099 C 19411125 - KURT BAUM DR ING
- GB 980214 A 19650113 - FOSECO INT

Cited by

CN109988590A; WO2017179995A1; US10612105B2; US10767238B2

Designated contracting state (EPC)

BE DE FR GB

DOCDB simple family (publication)

EP 0004922 A1 19791031; **EP 0004922 B1 19810715**; DE 2960478 D1 19811022; JP S5513776 A 19800130

DOCDB simple family (application)

EP 79101071 A 19790409; DE 2960478 T 19790409; JP 4594979 A 19790414