

Title (en)

Process for production of gaseous mixture of carbon monoxide and hydrogen and melter-gasifier system for carrying out the process.

Title (de)

Verfahren zur Herstellung einer Mischung von Kohlenstoffmonoxyd und Wasserstoff und Schmelzbadvergaser.

Title (fr)

Procédé pour la production d'un mélange de monoxyde de carbone et d'hydrogène et réacteur de gazéification à bain métallique.

Publication

EP 0129256 A2 19841227 (EN)

Application

EP 84107105 A 19840620

Priority

US 50582683 A 19830620

Abstract (en)

An improved method of removing molten slag from the surface of a molten iron bath (12) in a pressurized melter-gasifier (10) for producing a gaseous mixture of carbon monoxide and hydrogen from coal. The molten slag (14) is continuously removed from the meltergasifier (10) and quenched in a water bath (28). The resulting granular slag is separated from the quenching water (28) and the slag (14) and quenching water are separately removed from the pressurized system. Water economy is achieved by cooling the separated quenching water at atmospheric pressure and then pumping it back into the pressurized system.

IPC 1-7

C10J 3/08

IPC 8 full level

C10J 3/02 (2006.01); **C10J 3/57** (2006.01)

CPC (source: EP)

C10J 3/57 (2013.01); **C10K 1/06** (2013.01); **C10K 1/101** (2013.01); **C10J 2200/152** (2013.01); **C10J 2300/093** (2013.01); **C10J 2300/0959** (2013.01); **C10J 2300/0976** (2013.01); **C10J 2300/0996** (2013.01)

Cited by

CN110396435A; EP3808830A4; US11795407B2

Designated contracting state (EPC)

DE GB SE

DOCDB simple family (publication)

EP 0129256 A2 19841227; **EP 0129256 A3 19851030**; JP S6011588 A 19850121; MX 164808 B 19920925

DOCDB simple family (application)

EP 84107105 A 19840620; JP 12630484 A 19840619; MX 20166584 A 19840614