

Title (en)

SAFE AND AUTOMATIQUE METHOD FOR REMOVAL OF COKE FROM A COKE VESSEL

Title (de)

SICHERES UND AUTOMATISCHES VERFAHREN ZUM AUSTRAGEN VON KOKS AUS EINEM KOKSGEFÄSS

Title (fr)

PROCEDE SANS DANGER ET AUTOMATIQUE PERMETTANT D'ENLEVER LE COKE D'UN RECIPIENT DE COKE

Publication

EP 1470203 A1 20041027 (EN)

Application

EP 03713738 A 20021218

Priority

- US 0305987 W 20021218
- US 4352702 A 20020110

Abstract (en)

[origin: US2003127314A1] A closed system that eliminates worker exposure during coker vessel decoking operations and thereby significantly reduces risks to workers also increase coking capacity by reducing the coking cycle time. The closed system preferably comprises a coker vessel with a side entry feed line attached to the vessel above the vessel bottom; a closure housing with laterally moveable closure member therein sealed to the vessel bottom either directly without, or indirectly with an adapting spool member and; a coke chute sealed to the bottom of the closure housing. The system can be remotely and repetitively operated through numerous coking/decoking cycles without removal of any system element.

IPC 1-7

C10B 1/00

IPC 8 full level

C10B 1/04 (2006.01); **C10B 25/10** (2006.01); **C10B 55/00** (2006.01)

CPC (source: EP US)

C10B 1/04 (2013.01 - EP US); **C10B 25/10** (2013.01 - EP US); **C10B 55/00** (2013.01 - EP US)

Citation (search report)

See references of WO 03104353A1

DOCDB simple family (publication)

US 2003127314 A1 20030710; AU 2003217775 A1 20031222; BR 0210446 A 20060620; CA 2473105 A1 20031218; EP 1470203 A1 20041027; MX PA04006672 A 20041110; WO 03104353 A1 20031218

DOCDB simple family (application)

US 4352702 A 20020110; AU 2003217775 A 20021218; BR 0210446 A 20021218; CA 2473105 A 20021218; EP 03713738 A 20021218; MX PA04006672 A 20021218; US 0305987 W 20021218