

Title (en)

CORROSION RESISTANCE FOR A LEACHING PROCESS

Title (de)

KORROSIONSFESTIGKEIT FÜR EIN LAUGUNGSVERFAHREN

Title (fr)

RÉSISTANCE À LA CORROSION POUR UN PROCÉDÉ DE LIXIVATION

Publication

EP 2461922 A1 20120613 (EN)

Application

EP 10808599 A 20100809

Priority

- US 23245409 P 20090809
- US 2010044917 W 20100809

Abstract (en)

[origin: WO2011019667A1] A corrosion resistance system is disclosed that can be used in conjunction with a leaching device for removal of a mold from a cast component. The corrosion resistance system includes a container having a working fluid, such as a caustic fluid. A cast component and mold is placed within the container and a power supply is coupled to the component. During operation of the corrosion resistance system the cast component can be configured as an anode or as a cathode to provide for anodic or cathodic corrosion resistance. In one form the power supply is connected with an electrical conductor to the container and the cast component placed in electrical coupling with the container. An inert gas purge can supply an inert gas to the container. A vacuum pump can be used to remove gas from the container. Furthermore, an oxygen getter can be used in some embodiments.

IPC 8 full level

B22C 1/00 (2006.01); **B22C 9/10** (2006.01)

CPC (source: EP US)

B22D 29/002 (2013.01 - EP US); **C23F 13/005** (2013.01 - EP US); **C23F 13/06** (2013.01 - EP US); **C23F 2213/30** (2013.01 - EP US)

Cited by

US10099283B2; US10099276B2; US10137499B2; US10150158B2; US9968991B2; US9987677B2; US10099284B2; US10335853B2; US10286450B2; US10981221B2; US10046389B2; US10118217B2; US9975176B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

WO 2011019667 A1 20110217; EP 2461922 A1 20120613; EP 2461922 A4 20140416; US 2011048665 A1 20110303

DOCDB simple family (application)

US 2010044917 W 20100809; EP 10808599 A 20100809; US 85320510 A 20100809