

Title (en)

PRODUCTION OF CARBONATE-CONTAINING COMPOSITIONS FROM MATERIAL COMPRISING METAL SILICATES

Title (de)

HERSTELLUNG VON CARBONATHALTIGEN ZUSAMMENSETZUNGEN AUS METALLSILIKATE ENTHALTENDEM MATERIAL

Title (fr)

PRODUCTION DE COMPOSITIONS CONTENANT DU CARBONATE À PARTIR D'UN MATÉRIAU COMPORTANT DES SILICATES MÉTALLIQUES

Publication

EP 2200732 A4 20120125 (EN)

Application

EP 09795228 A 20090710

Priority

- US 2009050223 W 20090710
- US 7979008 P 20080710
- US 34401908 A 20081224
- US 48669209 A 20090617
- US 8276608 P 20080722
- US 8834008 P 20080812
- US 8834708 P 20080813
- US 10162608 P 20080930
- US 12187208 P 20081211
- US 2008088246 W 20081223
- US 2008088242 W 20081223

Abstract (en)

[origin: WO2010006242A1] Provided are methods for producing carbonate-containing compositions comprising silicon-based material (e.g., pozzolanic material) from a source of carbon dioxide, a divalent cation-containing solution, and a source of proton-removing agents. In such methods, divalent cations of the divalent cation-containing solution are provided by digestion of material comprising metal silicates. Also provided are methods for producing carbonate-containing compositions comprising little or no silicon-based material. In such methods, silicon-based material (e.g., silica, unreacted or undigested silicates, aluminosilicates, etc.) may be separated and processed separately from carbonate-containing compositions. Silicon-based material and carbonate-containing material may be blended at a later stage to produce a pozzolanic material, which may be further processed and blended with, for example, Portland cement.

IPC 8 full level

B01D 53/62 (2006.01); **C01B 32/60** (2017.01)

CPC (source: EP KR)

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Citation (search report)

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