

Title (en)

REDUCED-CARBON FOOTPRINT CONCRETE COMPOSITIONS

Title (de)

BETONZUSAMMENSETZUNGEN MIT REDUZIERTEM KOHLENSTOFFANTEIL

Title (fr)

COMPOSITIONS DE BÉTON POUR EMPREINTES À TENUEUR RÉDUITE EN CARBONE

Publication

EP 2352706 A4 20111116 (EN)

Application

EP 09810858 A 20091022

Priority

- US 2009061748 W 20091022
- US 10764508 P 20081022
- US 11048908 P 20081031
- US 11614108 P 20081119
- US 11754208 P 20081124
- US 14835309 P 20090129
- US 14961009 P 20090203
- US 14964009 P 20090203
- US 22588009 P 20090715
- US 23425109 P 20090814
- US 24604209 P 20090925
- US 57139809 A 20090930

Abstract (en)

[origin: WO2010048457A1] Reduced-carbon footprint concrete compositions, and methods for making and using the same, are provided. Aspects of the reduced-carbon footprint concrete compositions include CO₂-sequestering carbonate compounds, which may be present in the hydraulic cement and/or aggregate components of the concrete. The reduced-carbon footprint concrete compositions find use in a variety of applications, including use in a variety of building materials and building applications.

IPC 8 full level

B01D 53/14 (2006.01); **B01D 53/62** (2006.01); **C04B 40/00** (2006.01)

CPC (source: EP)

C01F 5/24 (2013.01); **C01F 11/18** (2013.01); **C04B 40/0039** (2013.01); **C04B 2103/002** (2013.01); **C04B 2103/0086** (2013.01); **C04B 2111/00017** (2013.01)

Citation (search report)

- [X] EP 1176124 A1 20020130 - ITALCEMENTI SPA [IT]
- [X] WO 2007082505 A2 20070726 - OSING DIRK A [DE]
- [A] WO 2006008242 A1 20060126 - SHELL INT RESEARCH [NL], et al
- [A] WO 0010691 A1 20000302 - US ENERGY [US]
- [I] J.GAJDA,F.MAC GREGOR MILLER: "Concrete as a Sink for Atmospheric Carbon Dioxide: A Literature Review and Estimation of CO₂ Absorption by Portland Cement Concrete", PORTLAND CEMENT ASSOCIATION: R&D SERIAL NO. 2255, 2000, pages 1 - 28, XP002659190
- See references of WO 2010048457A1

Citation (examination)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

US 2009061748 W 20091022; AU 2009287466 A 20091022; AU 2010246393 A 20101124; CA 2694988 A 20091022; CN 200980101147 A 20091022; EP 09810858 A 20091022