

Title (en)

VOLUME-STABLE HARDENED HYDRAULIC CEMENT.

Title (de)

Zement mit stabilen Volumen vor,während und nach dem Aushärten.

Title (fr)

CIMENT HYDRAULIQUE A VOLUME STABLE AVANT, PENDANT ET APRES DURCISSEMENT.

Publication

EP 0270565 A4 19880725 (EN)

Application

EP 87902939 A 19870324

Priority

US 84396786 A 19860325

Abstract (en)

[origin: WO8705893A1] The hardened volume change of concrete, grout, patching material, and water-proof material made from blends of a calcium or aluminum sulfate compound, Portland cement and calcium aluminate cement can be reduced by using Portland cement containing low levels (2% maximum) of iron oxide. By lowering the normal level of iron oxide in the Portland cement used in the above composition, it was also discovered that the compressive strengths dramatically increase as well as the bonding capability of the composition to old or cured concrete.

IPC 1-7

C04B 7/02; **C04B 7/32**

IPC 8 full level

C04B 7/02 (2006.01); **C04B 7/32** (2006.01); **C04B 11/30** (2006.01); **C04B 28/06** (2006.01)

CPC (source: EP)

C04B 7/02 (2013.01); **C04B 28/065** (2013.01); **C04B 2111/32** (2013.01); **C04B 2111/34** (2013.01)

Citation (search report)

- [A] SILIKATTECHNIK, vol. 28, no. 10, 1977, pages 303-304, Berlin, DD; J. BAKOS: "Herstellung von Faserstoffen auf Silikatbasis aus Rhyolythtuff-Rohmaterialien"
- See references of WO 8705893A1

Cited by

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Designated contracting state (EPC)

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