

Title (en)

FLUORINE-MODIFIED ADDITIVE FOR CEMENTITIOUS PRODUCTS, PROCESS FOR ITS PREPARATION AND USE THEREOF

Title (de)

FLUORMODIFIZIERTES ZUSATZMITTEL FÜR ZEMENTÄRE PRODUKTE, VERFAHREN ZU SEINER HERSTELLUNG UND DESSEN VERWENDUNG

Title (fr)

ADDITIF MODIFIÉ PAR DU FLUOR POUR PRODUIT CIMENTAIRE, SON PROCÉDE DE FABRICATION ET SON UTILISATION

Publication

EP 1994068 A1 20081126 (DE)

Application

EP 07711892 A 20070309

Priority

- EP 2007002094 W 20070309
- DE 102006011153 A 20060310

Abstract (en)

[origin: WO2007104494A1] A fluorine-modified additive having a content of isocyanate and also urethane and/or urea groups is described. It has been found that, surprisingly, the inventive fluorine-modified additive, even at very low dosage, is outstandingly suitable for permanent hydrophobic and/or oleophobic and/or soil-repellent in-bulk modification of products based on inorganic or hydraulic or mineral binders, without significantly influencing the fundamental property profile (for example compressive and flexural strengths) of these products. In addition, it was not foreseeable that, in the products treated with the inventive fluorine-modified additives (for example hardened building materials), a significantly lower water absorption (prevention of frost damage and corrosion) and suppression of blooms on the surface (prevention of visual impairments) are observed. Moreover, it could not have been expected that, in spite of the high fluorine modification, there is sufficient self-dispersibility.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2007104494A1

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