

Title (en)

PROCESS FOR FORMING SOLID AGGREGATES INCLUDING SHAPED ARTICLES.

Title (de)

VERFAHREN ZUR HERSTELLUNG FESTER AGGREGATE EINSCHLIESSLICH FORMKÖRPER.

Title (fr)

PROCEDE PERMETTANT DE FORMER DES AGREGATS SOLIDES TELS QUE DES ARTICLES FORMES.

Publication

EP 0588872 A4 19941123 (EN)

Application

EP 92911888 A 19920612

Priority

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- AU 9200283 W 19920612

Abstract (en)

[origin: WO9222514A1] A process for the preparation of solid aggregate materials is disclosed. This process makes use of an aluminosilicate containing non-soil or waste material in combination with iron oxide, an alkali, a water soluble silicate and water to produce a mixture which is subsequently formed into a cohesive mass and then allowed to cure until the solid aggregate material is formed. The process is useful for both the production of low compressive strength materials such as landfill and high compressive strength materials such as bricks. As suitable aluminosilicate containing materials include fly ash, the process provides a means by which substantial amounts of such materials may be converted into a useful form.

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Citation (search report)

- [YA] FR 2106810 A5 19720505 - FRANCE ETAT
- [X] FR 2320266 A1 19770304 - QUIENOT JEAN [FR]
- [E] CHEMICAL ABSTRACTS, vol. 117, no. 2, 13 July 1992, Columbus, Ohio, US; abstract no. 13473r, D. GLADSTONE ET AL: "Binders comprising Class F fly ash and alkali metal compound, and manufacture of artifacts with these binders" page 353; & ZA 911688 B 19911224 - CSIR
- [Y] CHEMICAL ABSTRACTS, vol. 93, no. 2, 14 July 1980, Columbus, Ohio, US; abstract no. 12394q, S.A. KRIVOROTOV ET AL: "Concrete mixture" page 270; & SU 715539 A1 19800215 - MAGNITOGORSK METALLURG [SU], et al
- [Y] CHEMICAL ABSTRACTS, vol. 98, no. 12, 21 March 1983, Columbus, Ohio, US; abstract no. 94572m, Z. LAZNICKA: "Pressing noncompact moist silicate mixtures into closed forms by stamping" page 304; & CS 194921 A
- See references of WO 9222514A1

Designated contracting state (EPC)

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