

Title (en)

ACTIVATION OF NATURAL POZZOLAN AND USE THEREOF

Title (de)

AKTIVIERUNG VON NATÜRLICHEM PUZZOLAN UND VERWENDUNG DAVON

Title (fr)

ACTIVATION DE LA POZZOLANE NATURELLE ET SON UTILISATION

Publication

EP 3908559 A4 20220928 (EN)

Application

EP 20737936 A 20200108

Priority

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- US 2020012812 W 20200108

Abstract (en)

[origin: WO2020146551A1] An activated pozzolan composition includes a fine interground particulate blend of an initially unactivated natural pozzolan and a supplementary cementitious material (SCM) different than the initially unactivated natural pozzolan. The initially unactivated natural pozzolan may include volcanic ash or other natural pozzolanic deposit having a moisture content of at least 3%, and the activated pozzolan composition can have a moisture content less than 0.5%. The initially unactivated natural pozzolan may have a particle size less than 1 mm before intergrinding with the SCM. The SCM used to activate the initially unactivated natural pozzolan can be initially coarse or granular with a size greater than 1-3 μm and may include granulated blast furnace slag, steel slag, other metallurgical slag, pumice, limestone, fine aggregate, shale, tuff, trass, geologic material, waste glass, glass shards, basalt, sinters, ceramics, recycled bricks, recycled concrete, refractory materials, other waste industrial products, sand, or natural mineral.

IPC 8 full level

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Citation (search report)

- [X] US 2018194679 A1 20180712 - GUYNN JOHN M [US]
- [X] GB 2116162 A 19830921 - GRACE W R & CO
- See references of WO 2020146551A1

Designated contracting state (EPC)

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