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Patent Register - [2022/13139]

Patent number

2022/13139

Title of invention

CASTABLE AND CURABLE MAGNETIC CEMENT COMPOSITION AND METHOD FOR

Date of application

2022-12-05

Date of acceptance

2023-02-08

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2042-12-05

Date of grant

Type of patent

Complete

Status

Accepted

IPC Class

C04B

Patent abstract

A castable and curable magnetic cement composition, comprising, i) magnetic or magnetizable particle in the range of- 32-96%, ii) cement particles in the range of- 0.0027-2 μ m, iii) aluminosilicate particle in the range of- 32-46%; iv) a binding modifier in the range of; and v) a surface-active dispersing agent in the range of 0.1-4% by weight. The method for preparing the cement composition comprises the following steps, i) mixing the particles with dispersing agent to obtain a homogeneous mixture; and ii) blending the mixture with silica-bearing additive, followed by addition of potable water to obtain the cement composition



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