

Title (en)

Concrete and method of pre-stressing; container made of such concrete.

Title (de)

Beton und Verfahren zum Vorspannen; Behälter gefertigt aus diesem Beton.

Title (fr)

Béton et son procédé de mise en précontrainte, conteneur fabriqué avec ce béton.

Publication

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Application

EP 92400491 A 19920226

Priority

FR 9102340 A 19910227

Abstract (en)

[origin: EP0501879A1] The concrete according to the invention has better durability and mechanical strength characteristics which are equivalent to those of prestressed concrete. It comprises fibres (20) embedded within conventional concrete, these fibres being either fibres of a shape-memory metal alloy, or heat-shrinkable fibres. A subsequent heat treatment enables these fibres to take up a shape making it possible to induce compression stresses throughout the whole volume of the cast concrete. Application to the manufacture of containers for radioactive waste. <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP KR)

E04C 5/012 (2013.01 - EP); **E04C 5/073** (2013.01 - EP); **E04C 5/08** (2013.01 - EP); **E04G 21/12** (2013.01 - EP KR)

Cited by

US5858082A; FR2709291A1; FR2705824A1; DE102012019125A1; DE102012019125B4; GB2465707A; US11691926B2; EP0922817A1; EP0712972A1; WO9612588A1; WO2006038225A3; WO2009019464A1

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