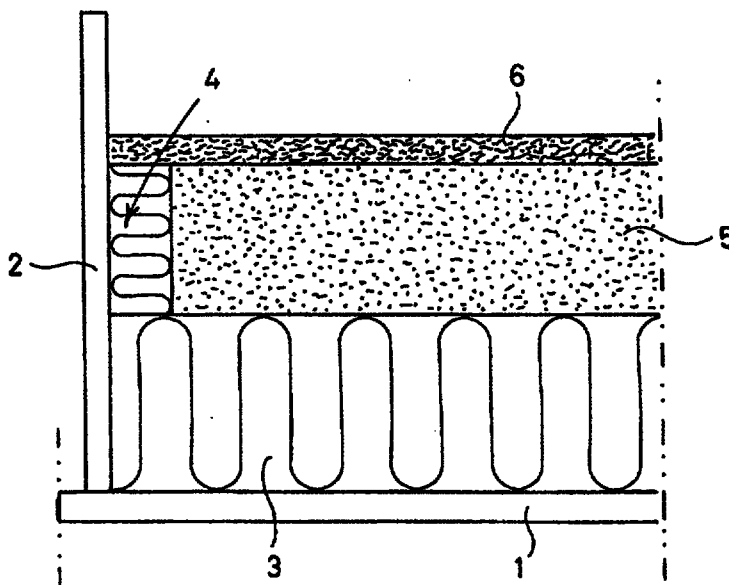




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C04B 9/02, 28/30 // 18/26	A1	(11) International Publication Number: WO 98/55419 (43) International Publication Date: 10 December 1998 (10.12.98)
(21) International Application Number: PCT/DK97/00243 (22) International Filing Date: 3 June 1997 (03.06.97) (71)(72) Applicant and Inventor: STRANDGAARD, Christian [DK/DK]; Lindevej 9, DK-3500 Værløse (DK). (74) Agent: HOFMAN-BANG & BOUTARD, LEHMANN & REE A/S; Hans Bekkevolds Allé 7, DK-2900 Hellerup (DK).		(81) Designated States: AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), EE, EE (Utility model), ES, FI, FI (Utility model), GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published With international search report.

(54) Title: A SETTABLE MIXTURE AND A METHOD OF MANUFACTURING A SOUND INSULATING FLOOR CONSTRUCTION



(57) Abstract

A settable mixture comprising magnesium oxide, magnesium chloride, water, resiliently compressible fibres, and a filler material produces a cement with high strength and excellent sound attenuation properties, avoiding the expansion properties observed in comparable prior art mixtures. The mixture may be used in a method of manufacturing a sound insulating floor construction on top of a floor base (1) and within confinement walls (2), said method comprising applying on top of the floor base a layer of soft, resilient mats (3), arranging along the confinement walls and above the layer of mats a spacer list (4) comprising a soft, resilient material, pouring on top of the mats the mixture, levelling the top surface of the mixture, and allowing it to set to form a solid slab (5).