Title (en)
   LOW CEMENT CONCRETE

Title (de)
   BETON MIT NIEDRIGEM ZEMENTANTEIL

Title (fr)
   BETON A FAIBLE TENEUR EN CIMENT

Publication
   EP 2029498 A1 20090304 (FR)

Application
   EP 07731470 A 20070516

Priority
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Abstract (en)
   [origin: WO2007132098A1] This invention relates to a mixture comprising the following proportion of masses: from 0.4 to 4 %, preferably 0.8 to 1.7 %, content of ultrafine grain size materials constituted by D90 particles measuring less than 1 μm and/or a BET specific surface area greater than 6 m2/g; from 1 to 6 %, preferably 2 to 5 %, of Portland cement; from 8 to 25 %, preferably 12 to 21 %, of fine grain size materials constituted by particles whose DlO and D90 are between 1 μm and 100 μm and have a BET specific surface less than 5 m2/g, both different from the cement; from 25 to 50 %, preferably 30 to 42 %, of medium grain size materials constituted by particles whose Dl 0 and D90 are between 100 μm and 5 mm and from 25 to 55 %, preferably 35 to 47 %, of superior grain size material constituted by particles whose Dl 0 which is greater than 5 mm. The invention also concerns, in particular, premixed concrete compositions and combined hardened concrete, as well as their preparation processes.

IPC 8 full level
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Citation (search report)
   See references of WO 2007132098A1

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