

Title (en)
LIGHTWEIGHT CONCRETE

Title (de)
LEICHTBETON

Title (fr)
BETON LEGER

Publication
EP 1534645 A1 20050601 (EN)

Application
EP 03733642 A 20030521

Priority
• NO 0300163 W 20030521
• NO 20022388 A 20020521

Abstract (en)
[origin: WO03097553A1] Lightweight concrete based on Portland cement wherein the aggregate is solely or partially comprised of crushed expanded glass (foam-glass), said concrete exhibiting a weight increase of maximum 5% in 2 years tested according to Canadian Standard CSA A 23.2-14A. The lightweight concrete includes crushed foam-glass in an amount of at least 20% by weight of the fresh lightweight concrete and a pozzuolanic material that is included in an amount of at least 8% by weight of the cement in the lightweight concrete. The cement component(s) of the light weight concrete are chosen among CEM I low alkaline cement (max. 0.6% by weight Na₂O), CEM II fly ash cement with an alkaline (Na₂O) content less than 8% by weight of the fly ash content, as well as mixtures of such cements.

IPC 1-7
C04B 14/22; **C04B 7/06**; **C04B 28/02**

IPC 8 full level
C04B 28/04 (2006.01)

CPC (source: EP)
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Citation (search report)
See references of WO 03097553A1

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