

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 Na<sub>2</sub>O), CEM II fly ash cement with an alkaline (Na<sub>2</sub>O) 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)  
**C04B 28/04** (2013.01); **C04B 2111/40** (2013.01); **Y02W 30/91** (2015.05)

Citation (search report)  
See references of WO 03097553A1

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