

Title (en)
Insulating wall

Title (de)
Isolierende Mauer

Title (fr)
Mur isolant

Publication
EP 1063364 B1 20020821 (FR)

Application
EP 00440179 A 20000616

Priority
FR 9908200 A 19990624

Abstract (en)
[origin: EP1063364A1] An insulating wall has insulation in a cavity between parallel internal and external insulating layers. Ties bridge the cavity to connect the layers. The whole wall is less than 40 cm thick and each layer is ≥ 4 cm thick. Each cubic meter of the layers includes ≥ 250 kg of cement, ≥ 250 l of air trapped in particles of insulating material, an agent causing the cement to coat the particles and water so the water cement ratio is 0.2 - 0.5. Independent claims are included for the following: (a) The above wall where the amount of additive $\geq 0.4\%$ the wt of concrete or ≥ 0.8 l/m³ of the mixture. (b) Making a wall as above by casting the inner and outer layers and then pouring the insulation into the cavity. Preferred Features: The insulation may be glass coated beads or porous volcanic rock.

IPC 1-7
E04C 2/06

IPC 8 full level
E04C 2/06 (2006.01)

CPC (source: EP)
E04C 2/06 (2013.01)

Cited by
EP3321443A1; ITM120101046A1; AU2011263731B2; WO2015067909A1; US9469568B2; WO2011154498A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 1063364 A1 20001227; EP 1063364 B1 20020821; AT E222631 T1 20020915; DE 60000341 D1 20020926; DE 60000341 T2 20030515; FR 2795440 A1 20001229; FR 2795440 B1 20011012

DOCDB simple family (application)
EP 00440179 A 20000616; AT 00440179 T 20000616; DE 60000341 T 20000616; FR 9908200 A 19990624