

Title (en)
Insulation fixing means

Title (de)
Dämmstoffhalter

Title (fr)
Fixation pour isolation thermique

Publication
EP 0844402 B1 20000308 (DE)

Application
EP 97118598 A 19971025

Priority
DE 19648823 A 19961126

Abstract (en)
[origin: EP0844402A1] Insulating material is attached to brickwork using a retainer having a flat retaining plate (2) to which a hollow shaft (13) is attached. A nail (3) with a head is contained within the shaft, which has a slot (14) forming an expansion zone (12). A plastic pin (5) is clamped within the shaft and projects above the retaining plate by a distance corresponding to the length of the expansion zone. The pin is hammered-in to drive the nail inwards for expansion. Preferably, the pin is made of a high strength composite material and has two spaced beads (6) at either end.

IPC 1-7
F16B 13/12

IPC 8 full level
E04B 1/48 (2006.01); **E04B 1/76** (2006.01); **E04B 1/49** (2006.01); **E04B 1/74** (2006.01); **E04F 13/08** (2006.01); **F16B 13/04** (2006.01); **F16B 13/12** (2006.01)

CPC (source: EP)
E04B 1/7633 (2013.01); **E04F 13/0835** (2013.01)

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