

Title (en)  
Fastener for lagging material

Title (de)  
Dämmstoffbefestigungselement

Title (fr)  
Dispositif de fixation pour matériaux thermiquement isolants

Publication  
**EP 0819807 B1 20030604 (DE)**

Application  
**EP 97810420 A 19970701**

Priority  
DE 19629179 A 19960719

Abstract (en)  
[origin: EP0819807A1] The inner space (4) of the hollow shaft (2) is freely accessible via an opening (15). The opening in the head (1) is closable by a closure cap. This cap is formed by two covers (7,8) on both sides of the head (1) and joined outside the opening. The covers are pivotable around link axes (16,17) running parallel to one another and are securable to one another in the closed state with the aid of inter-engaging locking components arranged in planes of the covers running parallel to the longitudinal axis of the hollow shaft. The first lock is formed by at least one projection arranged in an extended area (18) of the first cover (7) and the second lock is formed by at least one recess in the area of a cut-out (19) of the second cover (8).

IPC 1-7  
**E04F 13/08; E04D 3/36; F16B 37/14**

IPC 8 full level  
**E04D 3/36** (2006.01); **E04F 13/08** (2006.01); **F16B 37/14** (2006.01)

CPC (source: EP)  
**E04B 1/7633** (2013.01); **E04D 3/3603** (2013.01); **E04F 13/0835** (2013.01)

Cited by  
US9879416B2

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB LI NL

DOCDB simple family (publication)  
**EP 0819807 A1 19980121; EP 0819807 B1 20030604**; AT E242381 T1 20030615; DE 19629179 A1 19980122; DE 19629179 B4 20050303;  
DE 59710196 D1 20030710

DOCDB simple family (application)  
**EP 97810420 A 19970701**; AT 97810420 T 19970701; DE 19629179 A 19960719; DE 59710196 T 19970701