

Title (en)

FIXING ELEMENT AND METHOD FOR FIXING INSULATION TRACKS OR PLATES ON A FIXED SUBSTRUCTURE

Title (de)

BEFESTIGUNGSELEMENT SOWIE VERFAHREN ZUM BEFESTIGEN VON ISOLATIONSBAHNEN ODER -PLATTEN AUF EINEM FESTEN UNTERBAU

Title (fr)

ELEMENT DE FIXATION ET PROCEDE POUR FIXER DES BANDES OU DES PLAQUES ISOLANTES SUR UNE BASE FIXE

Publication

EP 1117882 A1 20010725 (DE)

Application

EP 99947456 A 19991004

Priority

- DE 19846204 A 19981007
- EP 9907341 W 19991004

Abstract (en)

[origin: US6558098B1] The invention relates to a fixing element (1) for fixing insulation and scaling tracks on a fixed substructure. Said element comprises a screw (9) and a large washer (7) with a cylindrical extension (8). The screw (9) has two thread segments (13, 14), wherein one thread segment (13) interacts with the through hole in a reciprocal thread engagement located in a narrowed area (12) of the cylindrical extension (8). An axial relative movement of both parts can be achieved by reciprocally rotating the cylindrical extension (8) and the screw (9).

IPC 1-7

E04D 3/36

IPC 8 full level

E04D 3/36 (2006.01); **E04F 13/08** (2006.01)

CPC (source: EP US)

E04D 3/3603 (2013.01 - EP US)

Citation (search report)

See references of WO 0020703A1

Cited by

DE102013004392A1; DE102017002709A1; DE102017002709B4; EP2366843A1; WO2014139946A1

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)

US 6558098 B1 20030506; AT E288525 T1 20050215; AU 6089199 A 20000426; CZ 20011241 A3 20010912; CZ 297952 B6 20070509; DE 19846204 A1 20000427; DE 19846204 C2 20010809; DE 59911560 D1 20050310; EP 1117882 A1 20010725; EP 1117882 B1 20050202; ES 2237940 T3 20050801; PL 200749 B1 20090227; PL 347183 A1 20020325; WO 0020703 A1 20000413

DOCDB simple family (application)

US 80695801 A 20010406; AT 99947456 T 19991004; AU 6089199 A 19991004; CZ 20011241 A 19991004; DE 19846204 A 19981007; DE 59911560 T 19991004; EP 9907341 W 19991004; EP 99947456 A 19991004; ES 99947456 T 19991004; PL 34718399 A 19991004