

Title (en)

Multi-shell formed piece with flexible insulating plates disposed between the walls of said formed piece

Title (de)

Multischalen-Element mit flexiblen Isolierplatten zwischen den Wänden von diesem Element

Title (fr)

Pièce multi-enveloppe avec des plaques isolantes flexibles entre les parois de cette pièce

Publication

EP 0599305 B1 19970709 (EN)

Application

EP 93118968 A 19931125

Priority

DE 4239476 A 19921125

Abstract (en)

[origin: EP0599305A1] In order to achieve effective thermal insulation, a multi-shell formed piece, in particular a pipe (1) for restoring chimneys, having at least two coaxially disposed, spaced-apart walls (2, 3) with a piece of insulating material (4) made of rock wool provided therebetween is, with manufacture and design being simple, configured such that the insulating material (4) consists of at least one bent insulating plate (5) which is preferably made of rock wool and has a largely constant cross section. Further, the invention proposes a device for disposing said insulating plates (5) and a corresponding process. <IMAGE>

IPC 1-7

E04F 17/02

IPC 8 full level

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IPC 8 main group level

E04H 12/00 (2006.01)

CPC (source: EP)

E04F 17/02 (2013.01)

Citation (examination)

- DE 3512089 A1 19861009 - GRUENZWEIG HARTMANN GLASFASER [DE], et al
- AT 319453 B 19741227 - SCHIEDEL KAMIN BETONWERK [DE]
- Company brochure of Rockwool, "Information 105", Klima- und Rohrleitung 5/74/1./GD.
- Zulassungsbescheid, Mineralfaserdämmplatten und Mineralfaserdämmstreifen "Rockwool-Brandplatten RPB/K", Zulassungsnummer Z-7.1.124, 10.11.1983

Cited by

US2013192160A1; US10280639B2

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EP 0599305 A1 19940601; EP 0599305 B1 19970709; EP 0599305 B2 20021218; AT E155195 T1 19970715; CZ 251993 A3 19940817; DE 4239476 A1 19940526; DE 69312025 D1 19970814; DE 69312025 T2 19980108; DE 69312025 T3 20031016; HU 9303340 D0 19940328; HU T68557 A 19950628; NO 934246 D0 19931124; NO 934246 L 19940526; PL 172731 B1 19971128; PL 301184 A1 19940530; SI 9300612 A 19940630; SK 132393 A3 19940608

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