

Title (en)

Horizontal roof or exterior wall passage

Title (de)

Horizontale Dach- oder Mauerdurchführung

Title (fr)

Traversée horizontale de mur ou de toiture

Publication

**EP 1469254 A1 20041020 (EN)**

Application

**EP 04076079 A 20040406**

Priority

NL 1023210 A 20030417

Abstract (en)

Horizontal roof or exterior wall passage comprising a pipe assembly having an inner pipe for forming a first passage and an outer pipe surrounding the inner pipe for forming a substantially annular passage between the inner pipe and the outer pipe, wherein the inner pipe at both ends of the outer pipe is placed centrically within the outer pipe, wherein a centre line of the inner pipe and a centre line of the outer pipe diverge from each other from a first end towards a second end of the outer pipe, and wherein the pipe assembly comprises adapting means for bringing the centre lines of the inner pipe and the outer pipe towards each other at the second end. <IMAGE>

IPC 1-7

**F23J 11/06; F23L 17/04**

IPC 8 full level

**F23J 11/06** (2006.01); **F23L 17/04** (2006.01)

CPC (source: EP)

**F23J 11/06** (2013.01); **F23L 17/04** (2013.01); **F23J 2211/101** (2013.01)

Citation (search report)

- [X] EP 0190394 A2 19860813 - BOSCH GMBH ROBERT [DE]
- [A] EP 1136757 A2 20010926 - MUELINK & GROL BV [NL]
- [A] US 4995375 A 19910226 - JACKSON BERT W [US]
- [A] DE 19837289 C1 19991028 - CENTROTHERM ABGASTECHNIK GMBH [DE]
- [A] US 6102030 A 20000815 - BROWN MICHAEL N [CA], et al
- [A] DE 29515326 U1 19951130 - VAILLANT JOH GMBH & CO [DE]

Cited by

CN110081453A; ITMC20100023A1; EP2522906A1; FR2975171A1; WO2006059215A1

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