

Title (en)

Spiral coil cool wall construction for high temperature cylindrical furnaces, vessels, cyclones, etc.

Title (de)

Wandkonstruktion mit Kühlrohrwindungen für zylindrische Hochtemperatur-Öfen, Behälter, Zyklone und dergleichen.

Title (fr)

Structure de paroi refroidie avec tube hélicoïdal, pour cyclones, récipients, fours cylindriques et analogues, à hautes températures.

Publication

EP 0197207 A1 19861015 (EN)

Application

EP 85301463 A 19850304

Priority

EP 85301463 A 19850304

Abstract (en)

A vessel for separating entrained particles from a gas in which a vertically extending tubular portion (18) extends through a portion of a housing for providing an outlet for the gas after separation from the particles. The tubular portion (18) includes a tube (20) formed into a spiral coil, and a continuous fin (22) extends from the tube for the entire length of the tube. The fin is welded to adjacent sections of the tube (20) to render the coil airtight. A layer of insulation material (24, 26) extends to both sides of the coil.

IPC 1-7

B04C 5/20; **F27D 1/12**

IPC 8 full level

B04C 5/20 (2006.01); **F27D 1/12** (2006.01); **F27D 9/00** (2006.01)

CPC (source: EP)

B04C 5/20 (2013.01); **F27D 1/12** (2013.01); **F27D 2009/0027** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

GB IT NL

DOCDB simple family (publication)

EP 0197207 A1 19861015; AU 3953285 A 19860911; AU 583496 B2 19890504

DOCDB simple family (application)

EP 85301463 A 19850304; AU 3953285 A 19850305