

Title (en)
DEFLECTING COWL

Publication
EP 0184024 B1 19880127 (DE)

Application
EP 85114276 A 19851108

Priority
DE 3442588 A 19841122

Abstract (en)
[origin: US4655121A] Deflector hood for chimneys, in particular for the air exhaust lines of industrial exhaust installations such as digestors or the like, made up of an outer jacket expanding from two opposing openings to a center plane located between the openings. The hood acts as a cap on the air exhaust line. An inner body is held within the outer jacket and expands continuously from the base surface toward the outlet opening. The internal space is open toward the outlet opening and is connected with the environment by a channel leading through the wall of the outer jacket. The inner body has a configuration corresponding to that of the outer jacket, expanding from the inlet opening to a center plane and subsequently narrowing to the outlet opening, such that the annular space enclosed between the outer jacket and the inner body has a cross-sectional area continuously increasing from the inlet cross-section to the outlet cross-section. The channel connecting the internal space of the inner body with the environment and serves to drain off liquids. The channel originates at a lateral surface of the inner body and is in the form of a bearing surface.

IPC 1-7
F23L 17/02; **F23L 17/14**

IPC 8 full level
F23L 17/02 (2006.01); **F23L 17/14** (2006.01)

CPC (source: EP US)
F23L 17/02 (2013.01 - EP US); **F23L 17/14** (2013.01 - EP US)

Cited by
NL1005472C2

Designated contracting state (EPC)
AT CH FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0184024 A1 19860611; **EP 0184024 B1 19880127**; AT E32257 T1 19880215; DE 3442588 A1 19860522; DE 3442588 C2 19920521; JP H0379034 U 19910812; JP S61252427 A 19861110; US 4655121 A 19870407

DOCDB simple family (application)
EP 85114276 A 19851108; AT 85114276 T 19851108; DE 3442588 A 19841122; JP 11615390 U 19901105; JP 25993485 A 19851121; US 80077585 A 19851122