

Title (en)  
Air curtain with an auxiliary stream

Title (de)  
Luftvorhang mit einem Hilfsstrom

Title (fr)  
Rideau d'air avec flux auxiliaire

Publication  
**EP 2218976 A2 20100818 (EN)**

Application  
**EP 09460061 A 20091230**

Priority  
PL 38708509 A 20090121

Abstract (en)  
Air curtain with an auxiliary stream, which is used to protect rooms against the impact of external factors (weather conditions, volatile substances, particulate solids, insects etc.), as well as to protect rooms against the outflow of internal air outside, characterised in that the air exhausts (6, 7) form at least two separate air streams, the main stream (A) is directed towards the construction hole at the limit of the room, while the auxiliary stream (C) - into the room at an acute angle in relation to the plane of the construction hole, and the main stream (A) and the auxiliary stream (C) do not cross each other.

IPC 8 full level  
**F24F 9/00** (2006.01)

CPC (source: EP US)  
**F24F 9/00** (2013.01 - EP US); **F24F 2009/007** (2013.01 - EP US)

Citation (applicant)  

- EP 1462730 A1 20040929 - KAMPMANN GMBH [DE]
- EP 0645588 B1 19991215 - BIDDLE F H BV [NL]
- DE 3418678 A1 19860123 - SCHAD KG F [DE]
- EP 1462731 A2 20040929 - LWT LUFTWANDTECHNOLOGIE GMBH [DE]
- FR 1524661 A 19680510 - SVENSKA FLAECTFABRIKEN AB

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**EP 2218976 A2 20100818; EP 2218976 A3 20101229**; PL 387085 A1 20100802; RU 2010101245 A 20110727; US 2010184365 A1 20100722

DOCDB simple family (application)  
**EP 09460061 A 20091230**; PL 38708509 A 20090121; RU 2010101245 A 20100119; US 69092810 A 20100121