

Title (en)

A method of generating air curtain for refrigerated display case

Title (de)

Verfahren zur Erzeugung eines Kaltluftvorhangs für eine gekühlte Vitrine

Title (fr)

Procédé de génération de rideau d'air pour boîtier d'affichage réfrigéré

Publication

EP 2336690 A1 20110622 (EN)

Application

EP 09460057 A 20091217

Priority

EP 09460057 A 20091217

Abstract (en)

The invention concerns the generation of an air curtain of a display case, flowing downwards from the top along the front of an open display chamber. The air curtain consists of an internal cooler air flow and an external warmer air flow. The external warmer air flow is generated by sucking in at the bottom of the display case the cooled air supplemented by air from the surroundings. These two streams are mixed, levelling the temperature, and next the air is sent to the upper part of the display case, from which it is directed downwards in the form of an external flow of the air curtain. Flows with different temperatures are isolated from each other during the transport through channels.

IPC 8 full level

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CPC (source: EP)

A47F 3/0447 (2013.01); **F25D 17/06** (2013.01); **F25D 23/023** (2013.01)

Citation (applicant)

PL 367690 A1 20050307 - BONNET NEVE [FR]

Citation (search report)

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- [X] US 2007012059 A1 20070118 - ROCHE JOHN M [US], et al
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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)

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