

Title (en)
Outlet with vortex flow.

Title (de)
Drallauslass.

Title (fr)
Bouche à écoulement en spirales.

Publication
EP 0211150 A2 19870225 (DE)

Application
EP 86105431 A 19860419

Priority
DE 8521685 U 19850727

Abstract (en)
1. A swirl imparting outlet having a cylindrical air inlet (10), comprising a swirl disc (12) closing the air inlet (10) at its outlet end, and having, arranged radially in an annular ring, lamellae (22) punched out in the swirl disc (12) which have a radial edge sloping at an angle to the plane of the swirl disc (12), characterized in that 16 to 40 lamellae (22) are provided, whereby the angular distance between adjacent lamellae (22) in their radially middle region is of the same order of size as their width, and in that the air inlet (10) has a smaller diameter than the outer diameter of the annular ring of lamellae (22) and, in the direction of flow, widens out continuously immediately in front of the swirl disc (12) to have substantially the same diameter as the outer diameter of this annular ring.

Abstract (de)
Bei einem Drallauslaß ist der zylindrische Zuluftstutzen (10) an seinem austrittsseitigen Ende durch eine Drallscheibe (12) abgeschlossen, die auf einem Kreisring angeordnete, in der Drallscheibe (12) eingestanzte und mit einer radialen Kante aus der Ebene der Drallscheibe (12) gebogene Lamellen (22) aufweist.

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F24F 13/06

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CPC (source: EP)
F24F 13/06 (2013.01)

Cited by
EP0392438A3; NL1030021C2; EP1767877A3; EP0347650A1; US4979429A; WO2020192077A1; EP0469369B1

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