

Title (en)
Rotor for centrifugal compressors and fans.

Title (de)
Lauftrad für Radialverdichter und Gebläse.

Title (fr)
Roue pour compresseurs et ventilateurs centrifuges.

Publication
EP 0133845 A2 19850306 (EN)

Application
EP 84830232 A 19840731

Priority
IT 6783383 A 19830801

Abstract (en)
A rotor for centrifugal compressors and fans, of the type comprising a ring of blades (1) connected to a central hub (6) with an annular flange (7), is formed simply and economically by providing the root of each blade (1) with an integral appendage (2) which lies in a plane perpendicular to the axis of rotation and fixing the appendage (2) of each blade (1) to both the appendage of one of the blades adjacent thereto and to the flange (7) of the hub (6). Each blade (1) and its appendage (2) are conveniently made by pressing from sheet metal and the form of the appendages (2) is such that together they constitute a disc for a rotor of the semi-closed type or one of the discs for a rotor of the closed type.

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IPC 8 full level
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F04D 29/281 (2013.01); **F05D 2230/54** (2013.01)

Cited by
CN104797825A; US11261875B2; CN103307025A; GB2395234A; GB2395234B; US10662968B2; US6971845B2; US9995311B2

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