

Title (en)  
REGENERATIVE COMPRESSOR

Publication  
**EP 0286824 B1 19900919 (DE)**

Application  
**EP 88103526 A 19880307**

Priority  
DE 8704066 U 19870318

Abstract (en)  
[origin: US4806073A] In a side-channel compressor having a rotor rotatably supported in a housing, the improvement wherein at least one dust stripper protrudes into a gap between the housing and a rotor to prevent the accumulation of dust in the gap. Preferably, the dust stripper protrudes into a radial gap between a lateral extension of a blade ring portion of the rotor and a lateral extension of the housing. Additionally, the dust stripper is preferably circumferentially located in the inlet half of the compressor so that the pressure gradient in the compressor assists in the removal of dust stripped by the dust stripper. Additionally, or in the alternative, an axially extending dust stripper may be provided in an axial gap between the housing and a hub portion of the rotor.

IPC 1-7  
**F04D 23/00**

IPC 8 full level  
**F04D 23/00** (2006.01)

CPC (source: EP US)  
**F04D 23/008** (2013.01 - EP US)

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**DE 8704066 U1 19880714**; DE 3860630 D1 19901025; EP 0286824 A1 19881019; EP 0286824 B1 19900919; US 4806073 A 19890221

DOCDB simple family (application)  
**DE 8704066 U 19870318**; DE 3860630 T 19880307; EP 88103526 A 19880307; US 15157188 A 19880202