

Title (en)

DEVICE FOR EXTRACTING AND FILTERING AIR CHARGED WITH DUST AND OR DISPERSED FIBRES AT SPINNING MACHINES

Publication

EP 0289874 B1 19911113 (DE)

Application

EP 88106372 A 19880420

Priority

DE 3715217 A 19870507

Abstract (en)

[origin: US4886532A] Apparatus for removing and filtering dirty air from equipment such as textile spinning machines. The apparatus has a suction duct through which dirty air is drawn. An intermediate duct containing a filter unit extends from the suction duct to a blower that blows the air through a discharge duct. The intermediate duct and discharge duct are partially contiguous with a common wall that has a portion shiftable from a common wall disposition during normal operation to a common wall opening and air flow diverting position to reverse air flow through the filter unit for cleaning and to cause air to be drawn to the blower through the discharge duct. The shiftable wall portion may be mounted for pivoting or for sliding. The intermediate duct and the discharge duct may be arranged parallel or in crossing relation and may be rectangular to semi-circular in cross-section.

IPC 1-7

D01H 11/00; **F24F 13/02**

IPC 8 full level

B08B 15/04 (2006.01); **B01D 46/24** (2006.01); **D01H 11/00** (2006.01); **F24F 7/06** (2006.01); **F24F 13/02** (2006.01)

CPC (source: EP US)

D01H 11/005 (2013.01 - EP US); **F24F 7/065** (2013.01 - EP US); **F24F 13/02** (2013.01 - EP US); **F24F 2221/22** (2013.01 - EP US)

Cited by

CN112122252A

Designated contracting state (EPC)

CH DE FR IT LI

DOCDB simple family (publication)

EP 0289874 A1 19881109; **EP 0289874 B1 19911113**; DE 3715217 A1 19881117; DE 3866154 D1 19911219; JP S63287520 A 19881124; US 4886532 A 19891212

DOCDB simple family (application)

EP 88106372 A 19880420; DE 3715217 A 19870507; DE 3866154 T 19880420; JP 10928888 A 19880506; US 19088488 A 19880506