

Title (en)  
PNEUMATIC TONER TRANSPORT ARRANGEMENT FOR AN ELECTROPHOTOGRAPHIC PRINTING OR COPYING MACHINE

Title (de)  
PNEUMATISCHE TONERFÖRDEREINRICHTUNG FÜR EIN ELEKTROGRAFISCHES DRUCK- ODER KOPIERGERÄT

Title (fr)  
DISPOSITIF DE TRANSPORT PNEUMATIQUE DE TONER POUR UNE IMPRIMANTE OU UNE PHOTOCOPIEUSE ELECTROGRAPHIQUE

Publication  
**EP 0665966 B1 19960508 (DE)**

Application  
**EP 93922939 A 19931012**

Priority

- EP 93922939 A 19931012
- EP 9302805 W 19931012
- EP 92118101 A 19921022

Abstract (en)  
[origin: WO9409412A1] A pneumatic toner transport arrangement for an electrophotographic printing or copying machine is useful for transporting toner and for removing toner and/or dirt particles from units of the machine, such as the developing station (10) and the cleaning station (28). The arrangement has a negative pressure generator (31) connected to the various units of the machine by a negative pressure duct system. A particle separator (24) designed as a cyclone filter for separating toner and dirt particles from a throughflowing air flow is associated with the duct system. The particle mixture is separated in a recycling arrangement into dirt particles and recyclable toner and the recyclable toner is once again supplied to the developing station. The dirt particles are collected in a fine filter (32) of the negative pressure generator (31). The toner recycling arrangement (25) is designed as an exchangeable module which can be exchanged for a collecting container.

IPC 1-7  
**G03G 21/00**; **G03G 15/08**

IPC 8 full level  
**G03G 15/08** (2006.01); **G03G 21/00** (2006.01); **G03G 21/10** (2006.01)

CPC (source: EP US)  
**G03G 15/0822** (2013.01 - EP US); **G03G 15/0856** (2013.01 - EP US); **G03G 15/0879** (2013.01 - EP US); **G03G 15/0887** (2013.01 - EP US); **G03G 21/105** (2013.01 - EP US); **Y10S 222/01** (2013.01 - EP US)

Designated contracting state (EPC)  
DE FR GB NL

DOCDB simple family (publication)  
**WO 9409412 A1 19940428**; DE 59302533 D1 19960613; EP 0665966 A1 19950809; EP 0665966 B1 19960508; JP H08502369 A 19960312; US 5521690 A 19960528

DOCDB simple family (application)  
**EP 9302805 W 19931012**; DE 59302533 T 19931012; EP 93922939 A 19931012; JP 50961394 A 19931012; US 42434795 A 19950522