

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

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

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

Publication
EP 0665966 A1 19950809 (DE)

Application
EP 93922939 A 19931012

Priority

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- 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.

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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)

Citation (search report)
See references of WO 9409412A1

Citation (examination)

- PATENT ABSTRACTS OF JAPAN vol. 10, no. 282 (P-500)(2338) 25. September 1986 ; & JP-A-61 100 783
- PATENT ABSTRACTS OF JAPAN vol. 8, no. 278 (P-322)(1715) 19. Dezember 1984 ; & JP-A-59 143 180

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