

Title (en)

Device for producing an air stream in a duplicating machine

Title (de)

Vorrichtung zur Erzeugung eines Luftstromes in einer Vervielfältigungsmaschine

Title (fr)

Dispositif pour produire un courant d'air dans une machine à polycopier

Publication

EP 1179500 A3 20030910 (DE)

Application

EP 01116988 A 20010712

Priority

DE 10038774 A 20000609

Abstract (en)

[origin: DE10038774A1] The printer powder ink air transporter creates the air flow in an ionic air flow generator (2) comprising electrodes (6) connected to a voltage source (32) and covering the printing sheet (50). The amount of ionic air flow can be controlled by a flow field (39) and a blower unit conveys paper. Powder is transported from a powder holder in the airflow of the ionic flow generator.

IPC 1-7

B65H 29/24; **B41F 23/06**; **B65H 29/52**

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [X] DE 19751972 A1 19980618 - HEIDELBERGER DRUCKMASCH AG [DE]
- [X] DE 1286051 B 19690102 - HARRIS INTERTYPE CORP
- [X] DE 2646798 A1 19780420 - HAUG & CO KG
- [AD] US 4210847 A 19800701 - POGSON JOHN T [US], et al
- [AD] US 5006761 A 19910409 - TOEROEK VILMOS [SE], et al

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

US 2002060407 A1 20020523; **US 6889609 B2 20050510**; AT E314300 T1 20060115; CN 1337313 A 20020227; DE 10038774 A1 20011213; DE 50108511 D1 20060202; EP 1179500 A2 20020213; EP 1179500 A3 20030910; EP 1179500 B1 20051228; HK 1043767 A1 20020927; JP 2002160348 A 20020604

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