

Title (en)

Dryer-fuser apparatus and method for high speed electrophotographic printing device.

Title (de)

Gerät und Verfahren zum Trocknen und Schmelzfixieren für eine elektrofotografische Hochgeschwindigkeitsdruckvorrichtung.

Title (fr)

Appareil et méthode de séchage et de fixage par fusion pour un dispositif d'impression électrophotographique à grande vitesse.

Publication

EP 0435516 A2 19910703 (EN)

Application

EP 90313581 A 19901213

Priority

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Abstract (en)

A dryer-fuser apparatus (100) and method are provided to evaporate volatile, flammable carrier liquid from and to fuse solids color-imparting particles to a travelling web of paper (W) in a high speed electrophotographic printing process. Volatiles from the dryer are vented to a catalytic converter (124), with heat recovered from the catalytic converter being recycled to supply heat to the dryer-fuser (100). An electric resistance heater (122) may be used to supply heat during system start up and during such times when auxiliary heat is required. Regulation of the amount of venting is provided by a damper (134) and is dependent upon the concentration of flammable volatiles present in the dryer. <IMAGE>

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