

Title (en)

Single-pass fusing of multi-layer duplex copies

Title (de)

Schmelzfixierung von zweiseitigen mehrschichtigen Kopien in einem einzigen Umlauf

Title (fr)

Fixage par fusion en une seule passe de copies double face à couches multiples

Publication

EP 0864943 A1 19980916 (EN)

Application

EP 98200707 A 19980306

Priority

- EP 98200707 A 19980306
- EP 97200780 A 19970314

Abstract (en)

A fusing station (25) of an electrographic apparatus fixes in a single pass a duplex resinous powder colour image (8, 18) to a support material (9) in sheet-form or in web-form as the sheet or web is moved over a predetermined path (7). The station comprises two heated fixing rollers (1, 11), rotating in contact with each other, driving means to rotate the fixing rollers, pressing means for applying a meshing force between the fixing rollers, heating sources (4, 14) which have substantially identical characteristics. Both fixing rollers comprise a heat conducting core (3, 13) and a resilient covering (2, 12) which by the pressure between both rollers forms a heating nip. A symmetrical fixing operation on both sides of the support material is provided. Hereto, the fixing rollers have a substantially identical construction, are positioned symmetrically to the path of the sheet or web and rotate synchronously to the advancement of the sheet or web. <IMAGE>

IPC 1-7

G03G 15/20

IPC 8 full level

G03D 15/02 (2006.01); **G03G 15/20** (2006.01)

CPC (source: EP)

G03D 15/022 (2013.01); **G03G 15/2039** (2013.01); **G03G 15/2053** (2013.01); **G03G 15/2057** (2013.01); **G03G 2215/2074** (2013.01); **G03G 2215/2083** (2013.01); **G03G 2215/2093** (2013.01)

Citation (search report)

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