

Title (en)

APPARATUS FOR MAKING COLOR PROOF LAMINATIONS

Publication

EP 0474815 A4 19930317 (EN)

Application

EP 91906331 A 19910311

Priority

US 49159890 A 19900312

Abstract (en)

[origin: WO9113748A1] Apparatus for producing color proofs by transferring an image in color from a sheet (22) bearing the image to an image receiving sheet (24) comprising a pair of parallel rollers (32, 34), and means for driving the rollers for feeding the sheets therebetween. At least one of the rollers (50) comprises a shaft (52) and a hollow cylindrical metal drum (54) mounted concentrically on the shaft by thermal insulation means (56) adjacent the ends of the shaft. The drum (54) is covered with a relatively thin layer (58) of thermal and electrical insulation material, and a winding (60) of electrical resistance heating wire. A relatively thin layer (62) of elastomeric material covers the winding. Electrical leads (64, 66) extend from the ends of said winding (60) to rotary contacts (68) at one end of the shaft (52). Thermal insulation (70) fills the drum (54). An electrical sensor (72) for sensing the temperature of the surface of the drum (54) is mounted adjacent to the drum (54), intermediate its ends. A controller (80), responsive to the sensor (72), provides power to the winding (60) to maintain the temperature of the surface at a preselected target temperature.

IPC 1-7

B30B 15/34; **B32B 31/04**

IPC 8 full level

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CPC (source: EP)

B30B 3/005 (2013.01); **B41F 16/00** (2013.01); **G05D 23/1917** (2013.01); **G05D 23/27** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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