

Title (en)

COLLOIDS TO INCREASE COEFFICIENT OF FRICTION IN CARBONLESS PAPER PAD COATINGS

Publication

EP 0569285 A3 19940601 (EN)

Application

EP 93401145 A 19930504

Priority

- US 1979593 A 19930219
- US 87804892 A 19920504

Abstract (en)

[origin: EP0569285A2] A composition suitable for use as a pad-coat or release coating for carbonless paper constructions, the composition containing about: (a) 0.1-10.0 weight percent inorganic colloid having a particle size in the range of about 1-125 nm; (b) 0.1-5.0 weight percent abherent material; (c) 60.0-99.9 weight percent water; and (d) 0-25 weight percent binder, based upon the total weight of the coating composition. In a preferred embodiment, colloidal silica is utilized. Also disclosed is a carbonless paper construction with at least a portion of at least one outer surface having the inventive pad-coat or release coating applied thereto. The incorporation of inorganic colloidal particles into carbonless paper pad-coats results in an increase in the coefficient of friction of the pad coated surface; increase in toner adhesion and ink receptivity of the pad-coated surface; promotes uniform feeding of carbonless paper sheets into photocopiers and printing presses by reducing misfeeds and double feeds; and reduces feeder induced smudging. It does this without loss of the abhesive release effect provided by the pad-coat and without loss of the fan-out ability to produce form-sets. <IMAGE>

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IPC 8 full level

B41M 5/155 (2006.01); **B41M 5/124** (2006.01)

CPC (source: EP)

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Citation (search report)

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