

PRINTING ON TRANSPARENT FILM

ABSTRACT OF THE INVENTION

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2 A printing process for forming high contrast color
3 images on polymer surfaces, comprising: (a) forming a layer
4 of substantially opaque liquid toner comprising polymer
5 based toner particles and a carrier liquid, on an imaging
6 surface; (b) transferring the layer to an intermediate
7 transfer member; (c) heating the layer on the intermediate
8 transfer member to a temperature at which the toner
9 particles at least partially coalesce; (d) repeating (a) to
10 (c) sequentially for at least one subsequent layer in at
11 least one color, said at least one subsequent layer being
12 transferred to the intermediate transfer member onto the
13 opaque layer to form multiple layers on the intermediate
14 transfer member; and (e) transferring the multiple layers to
15 a polymer surface.

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18 Figure 1

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