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(54) Title: APPARATUS AND METHOD FOR MICROCONTACT PRINTING ON INDEFINITE LENGTH WEBS

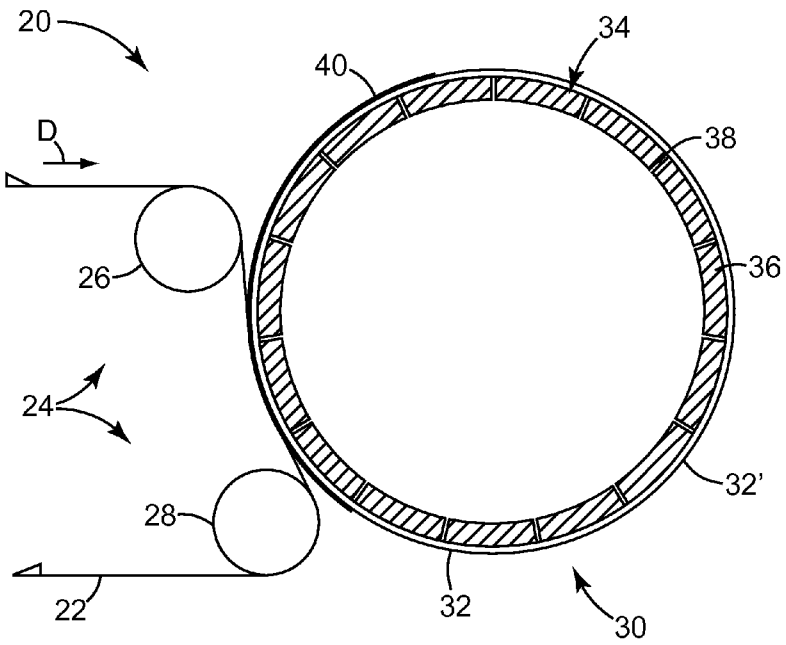

FIG. 1

(57) Abstract: An apparatus and a method for micro-contact printing on a substrate. A roll having very low drag is supported for rotation by air bearings and has a micro-contact printing stamp mounted to its outer surface. Contact between the substrate and the micro-contact printing stamp drives the roll and repeatedly imprints the pattern onto the web. In convenient embodiments, the roll is a sleeve positioned over a core with the sleeve supported for rotation by a layer of air between the sleeve and the core.

WO 2013/003253 A3

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