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(54) **METHODS AND SYSTEM FOR IMAGING OF MOVING PRINTED MATERIALS**

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(57) **ABSTRACT**

A system for capturing images during production of printed material includes an optical device comprising a plurality of cameras arranged in an array with adjacent pairs of cameras having overlapping fields of view. An imaging controller device determines a layout of content on printed material, and determines, based on the layout, an optical system configuration profile. Determining the optical system configuration profile includes selecting one or more cameras for capturing images of regions of interest on the printed material and determining a trigger interval for triggering the selected one or more cameras. The imaging controller device triggers the selected cameras at times determined based on the trigger interval to capture images of the regions of interest on the printed material as the printed material moves in fields of view of the one or more cameras during production of the printed material.