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(71) Applicant: **REVEAL IMAGING TECHNOLOGIES, INC.** [US/US]; 35 Crosby Road, Bedford, MA 01730 (US).

(72) Inventors: **ELLEBOGEN, Michael**; 2 Plainview Road, Wayland, MA 01778 (US). **BIJJANI, Richard, Robehr**; 15 Lynwood Lane, Westford, MA 01886 (US).

(74) Agent: **MIRABITO, Jason, A.**; Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C., One Financial Center, Boston, MA 02111 (US).

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(54) Title: FOLDED ARRAY CT BAGGAGE SCANNER

(57) Abstract: A reduced size CT scanner for baggage inspection has a wide angle x-ray source and multiple set of detectors at different distances from the x-ray source. The detectors in each set are sized and positioned to maintain consistent pitch and flux levels among all detectors. Conventional reconstruction processes can be used to process the data from the CT scanner. The scanner may also be incorporated into a check-in desk in a network of scanners.

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