

SYSTEM AND METHOD FOR
DETERMINING VOLUME OF AN IMAGING MEDIUM IN A CARTRIDGE

ABSTRACT OF THE DISCLOSURE

Systems and methods for determining the volume of
5 imaging medium in a cartridge are disclosed. An imaging
medium may include a movable housing portion and a device
coupled to the movable housing portion. The movable housing
portion may include a volume of imaging medium and may be
configured to move in response to changes in the volume of
10 imaging medium in the movable housing portion. The device
may be configured to project a beam of electromagnetic energy
onto a location of a beam-receiving photodetector, the beam-
receiving location moving in response to movement of the
movable housing portion such that the beam-receiving location
15 is based at least on the volume of imaging medium on the
movable housing portion.

FIG. 1A



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