

Title (en)
SYSTEM AND METHOD FOR CONTROL OF LASER SCANNERS IN AN IMAGING SYSTEM

Title (de)
VORRICHTUNG UND VERFAHREN VON LASERABTASTERN IN EINEM BILDAUFNAHMESYSTEM

Title (fr)
SYSTEME ET PROCEDE POUR LA COMMANDE DE LECTEURS LASER DANS UN SYSTEME D'IMAGERIE

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Application
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Abstract (en)
[origin: WO9856164A1] A scanner module for use in an imaging system includes a laser scanner operable under control of the imaging system for scanning a laser spot along a scan line to write a plurality of pixels along the scan line. The scanner further includes a scanner module memory including pixel placement correction data downloadable to the imaging system for use in controlling the placement of pixels along the scan line. The scanner module memory may further include output power correction data downloadable to the imaging system for use in controlling the output power of the laser scanner in the generation of the plurality of pixels along the scan line. Imaging systems use the correction data stored in the one or more replaceable scanner modules for use in controlling the placement of pixels along the scan line and/or for use in controlling output power of the laser scanner. Systems and methods for generating the correction data for the laser scanner modules are also described. Scan correction data can be used to reduce differences in the scan profiles of multiple scanners, such that the multiple scanners produce substantially the same scan profile. In this manner, color planes formed using multiple scanners can be placed in substantial registration with one another, thereby alleviating the visual effects of scan profile differences from scanner-to-scanner.

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