

Title (en)

An apparatus for line-to-line recording of different color component images.

Title (de)

Vorrichtung zur zeilenweisen Aufzeichnung von Bildern mit unterschiedlichen Farbauszügen.

Title (fr)

Dispositif pour enregistrer ligne par ligne des images de composantes de couleur différentes.

Publication

EP 0004736 A2 19791017 (EN)

Application

EP 79300480 A 19790326

Priority

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Abstract (en)

An apparatus for line-to-line recording of different color component images. Four separate xerographic type processing units (111, 112, 113, 114), one for each of the primary colors plus black, are arranged in close nested relationship to one another with image transfer stations (68, 69, 70, 71) in close succession along the path of movement of the copy sheets (12). A combination air flotation type (35) and vacuum based belt transport system (55) is used to move the copy sheets (12) from supply tray (27) successively past the processing units. Exposure is simultaneous. A precise dimensional relationship between the length (L) and spacing (D) of each photoreceptor belt (110) assures registration of the color images with one another. The length of each photoreceptor belt (110) is the same. Vacuum tensioning means (122) provides the preset dimensional relationship (L, D) between each photoreceptor belt (110). Plural flying spot beams (261 min , 262 min , 263 min , 264 min) derived from laser (222) provide simultaneous exposure of each photoreceptor belt.

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