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(54) Title: CREATING MULTIPLE ELECTRON BEAMS WITH A PHOTOCATHODE FILM

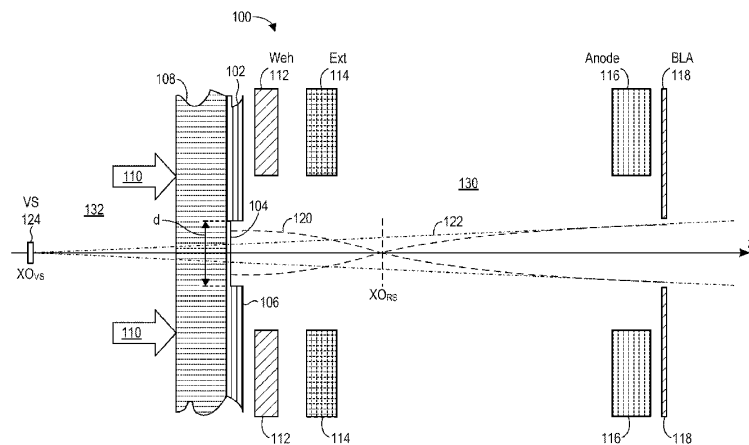


FIG. 1

(57) Abstract: An electron-beam device includes a laser and a photocathode film. The photocathode film has a front side and a back side and emits a plurality of electron beamlets when illuminated from the back side using the laser. The electron-beam device also includes electrodes to extract the plurality of electron beamlets from the front side of the photocathode film and to control shapes of the plurality of electron beamlets.

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