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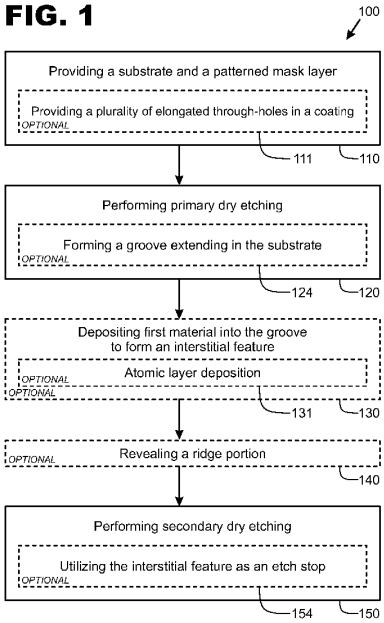
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(54) Title: METHOD FOR FABRICATING A BLAZED GRATING



(57) Abstract: This disclosure relates to a method (100) for fabricating a blazed grating. The method (100) comprises providing a substrate and a patterned mask layer (110) on the substrate, per-forming primary dry etching (120) of the substrate such that primary ions are accelerated towards a primary etch direction to impinge on the substrate, and performing secondary dry etching (150) of the substrate such that secondary ions are accelerated towards a secondary etch direction to impinge on the substrate. A primary projection of the primary etch direction and a secondary projection of the secondary etch direction onto the grating cross-sectional plane extend perpendicular to one and the other of a blaze facet direction and an anti-blaze facet direction, respectively, and ions accelerated towards a direction with a projection onto a grating cross-sectional plane perpendicular to the blaze facet direction are collimated to form a collimated ion beam for etching the substrate.

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