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(54) Title (EN): MILLIMETER SCALE LONG GRATING COUPLER

(54) Title (FR): COUPLEUR À RÉSEAU LONG D'ÉCHELLE MILLIMÉTRIQUE

(57) Abstract:

(EN): A millimeter scale weak grating coupler comprising a silicon waveguide having bars of overlay material of length (a) disposed periodically at a period (#) adjacent the silicon waveguide whereby a uniform grating output is achieved.

(FR): L'invention concerne un coupleur à réseau faible d'échelle millimétrique comportant un guide d'ondes en silicium ayant des barres de matériau de recouvrement de longueur (a) disposées périodiquement à une période (#) adjacente au guide d'ondes en silicium, permettant d'obtenir une sortie de réseau uniforme.

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