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**(71) Applicant(s):**

THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK [US/US]; 412 Low Memorial Library 535 W. 116th Street New York, NY 10027 (US) (*for all designated states*)

**(72) Inventor(s):**

LIPSON, Michal; 452 Riverside Drive, Apt. 62 New York, NY 10027 (US)  
MOHANTY, Asemma; 522 West 112th Street, Apt. 52b New York, NY 10025 (US)  
PHARE, Christopher, T.; 511 West 113th Street, #72c New York, NY 10025 (US)  
ZADKA, Moshe; 3260 Henry Hudson Parkway Bronx, NY 10463 (US)  
BOBERTS, Samantha, P.; 2232 Slaterville Road Ithica, NY 14850 (US)  
CHANG, You-chia; 251 West 109th Street. Apt. 3b New York, NY 10025 (US)

**(74) Agent(s):**

RABINOWITZ, Aaron, B.; Baker & Hostetler LLP 2929 Arch Street Cira Centre, 12th Floor Philadelphia, PA 19104-2891 (US)

**(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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