

Title (en)

A FREE SPACE CWDM MUX/DEMUX FOR INTEGRATION WITH A SILICON PHOTONICS PLATFORM

Title (de)

FREIRAUM-CWDM-MUX/DEMUX ZUR INTEGRATION MIT EINER FOTONISCHEN SILIZIUMPLATTFORM

Title (fr)

MULTIPLIXEUR/DÉMULTIPLIXEUR CWDM EN ESPACE LIBRE DESTINÉ À ÊTRE INTÉGRÉ À UNE PLATE-FORME PHOTONIQUE SUR SILICIUM

Publication

**EP 3665519 A1 20200617 (EN)**

Application

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Abstract (en)

[origin: CN110785686A] Methods and systems for a free space CWDM MUX/DEMUX for integration with a grating coupler based silicon platform may include an optical assembly comprising a lens array and a plurality of thin film filter splitters having angled reflective surfaces. The optical assembly may be operable to receive an input optical signal comprising a plurality of optical signals at different wavelengths via an optical fiber, focus the input optical signal onto a first thin film filter splitter, reflect a first of the optical signals into the lens array and passing others to a second thin film filter splitter, and reflect a second optical signal into the lens array and passing others to a third of the plurality of thin film filter splitters.

IPC 8 full level

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