

## Embedded Sub-Wavelength Micro-Optical Resonator

### **Disclosure Number**

200000836

### **Technology Summary**

An extremely small optical planar waveguide resonator is described. The device can function as a low voltage optical modulator, transmit a narrow band of tunable wavelengths, and made very small and fast. Arrays of these modulators, or other devices based on them, could easily fit onto a typical silicon chip.

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