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Optical Frequency Comb Generators Based on Fabry-Perot Electro-Optic Modulation

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Abstract: Optical frequency comb generators based on Fabry-Perot electro-optic modulator and its applications were introduced. The applications have been spreading beyond the first purpose as an optical frequency standard. The examples are: a high stability optical pulse generation, a multi-wavelength light source, a radio-on-fiber, the light source for photonic local, etc. A commercially viable optical frequency comb generator is developed in the present research. The venture firm for that was also established.

Key Words: Optical frequency comb generator, Fabry-Perot electro-optic modulator, Optical frequency standard, Optical pulse generation, Multi-wavelength light source

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