



Technology & Licensing Opportunity

Title Fabry-Perot etalon for the calibration of a spectrometer



Invention The Fabry-Perot etalon allows accurate calibration of the pixel-to-wavelength relationship of a spectrometer in a time efficient way.
The Fabry-Perot etalon produces a high number of resonant wavelengths in the wavelength range of interest.
The invention includes furthermore a method for fabricating the Fabry-Perot etalon.

Advantages

- Fine sampling over a large wavelength range
- Better distribution of known peaks than light sources
- Much faster than tunable lasers
- Cheaper than using a tunable laser

Applications

- Spectrometer manufacturers
- Spectrometer users:
 - LED production (e.g., for quality control)
 - Research institutes and universities
 - NMIs

Patent status EP4403889, published

Key words Fabry-Perot, calibration, spectrometer

Technology Readiness Level

1	2	3	4	5	6	7	8	9
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