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- (54) **Title:** METHOD AND SYSTEM FOR CALIBRATING LASER

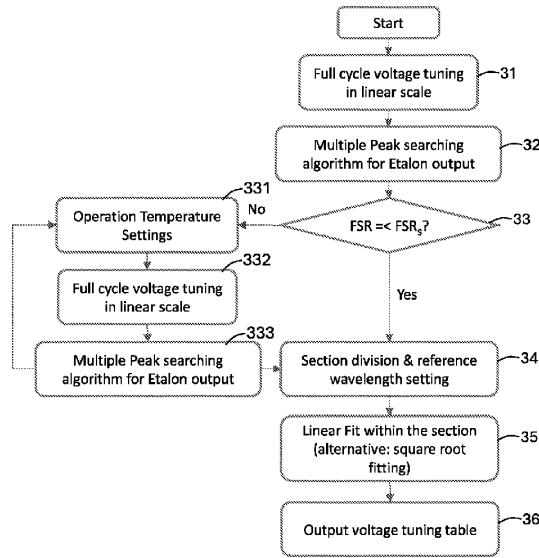


Figure 3

- (57) **Abstract:** This disclosure provides a tunable laser which is capable of self-recalibrating its wavelength-voltage tuning table by performing wavelength-voltage tuning function initialisation without any additional measurement equipment. This is enabled by using a combination of etalon and photodetector. This disclosure also provides for improved wavelength reliability by performing wavelength-voltage tuning function initialisation and temperature-assisted initialisation until a desired wavelength reliability is obtained.

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