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(54) **SUPERCONTINUUM GENERATION SYSTEM**

(71) Applicant: **National Tsing Hua University,**
Hsinchu (TW)

(72) Inventors: **Ci-Ling Pan,** Hsinchu (TW); **Alexey Zaytsev,** Hsinchu (TW); **Chih-Hsuan Lin,** Taipei (TW); **Yi-Jing You,** Yilan (TW)

(73) Assignee: **NATIONAL TSING HUA UNIVERSITY,** Hsinchu (TW)

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See application file for complete search history.

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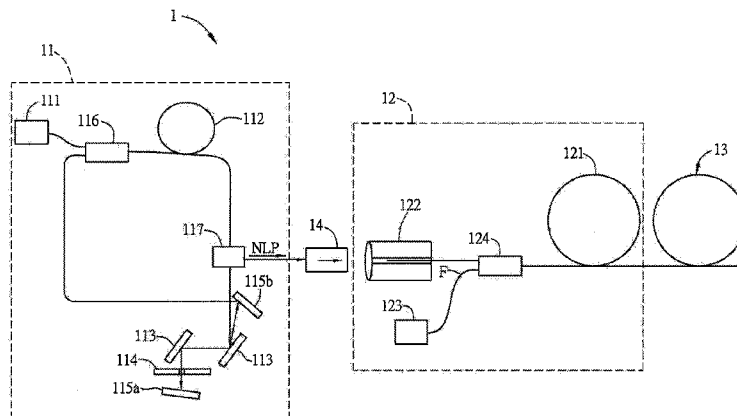
Primary Examiner — Daniel Petkovsek

(74) *Attorney, Agent, or Firm* — Muncy, Geissler, Olds & Lowe, P.C.

(57) **ABSTRACT**

A supercontinuum generation system comprises a noise-like pulse fiber laser structure, an amplification unit and a broadening medium. The noise-like pulse fiber laser structure generates at least one noise-like pulse of the wavelength less than 1300 nm. The amplification unit includes a gain fiber with which the noise-like pulse is coupled. The broadening medium is coupled with the gain fiber. A supercontinuum is generated when the noise-like pulse is amplified by the amplification unit and broadened in spectrum by the broadening medium.

9 Claims, 6 Drawing Sheets



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