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(71) Applicant *(for all designated States except US)*: **AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH** [SG/SG]; 1 Fusionopolis Way, #20-10, Connexis, Singapore 138632 (SG).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **WEN, Yang Jing** [CN/SG]; IPTO, Institute for Infocomm Research, 1 Fusionopolis Way, #21-01, Connexis, South Tower, Singapore 138632 (SG). **XU, Zhaowen** [CN/SG]; IPTO, Institute for Infocomm Research, 1 Fusionopolis Way, #21-01, Connexis, South Tower, Singapore 138632 (SG). **CHENG, Xiaofei** [CN/SG]; IPTO, Institute for Infocomm Research, 1 Fusionopolis Way, #21-01, Connexis, South Tower, Singapore 138632 (SG). **WANG, Yixin** [CN/SG]; IPTO, Institute for Infocomm Research, 1 Fusionopolis Way, #21-01, Connexis, South Tower, Singapore 138632 (SG).

(74) Agent: **ELLA CHEONG SPRUSON & FERGUSON (SINGAPORE) PTE LTD**; P.O. Box 1531, Robinson Road Post Office, Singapore 903031 (SG).

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(54) **Title**: A WDM-PON ARCHITECTURE BASED ON EXTERNALLY SEEDED OPTICAL SOURCE

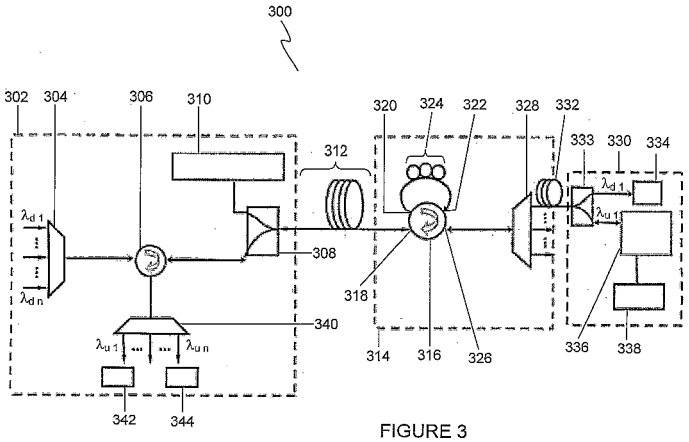

FIGURE 3

(57) **Abstract**: A wavelength-division-multiplexed passive optical network (WDM PON) comprising: a remote node (RN) comprising a light source for generating a seeding signal; and one or more optical network units (ONUs), each ONU comprising a laser source configured for receiving a portion of the seeding light signal from the RN.

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