

(12) **United States Patent**  
**Lewis et al.**

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(54) **APPARATUS, SYSTEM, AND METHOD FOR JUNCTION ISOLATION OF ARRAYS OF SURFACE EMITTING LASERS**

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(52) **U.S. Cl.** ..... **372/50.124; 372/50.12; 372/50.122**  
(58) **Field of Classification Search** ..... **372/50.12, 372/50.121, 50.122, 50.123, 50.124, 50.21, 372/50.22, 50.23**  
See application file for complete search history.

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(57) **ABSTRACT**  
An array of surface emitting laser diodes has a series electrical connection of laser diodes. Junction isolation is used to isolate laser diodes in the array.

**25 Claims, 8 Drawing Sheets**

