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(71) **Applicant**: **BERKELEY LIGHTS, INC.** [US/US]; 5858 Horton Street, Suite 320, Emeryville, California 94608 (US).

(72) **Inventors**: **BEAUMONT, Kristin G.**; 5858 Horton Street, Suite 320, Emeryville, California 94608 (US). **DING, Nan-Linda**; 1068 W. Broadway, Unit 302, Vancouver, British Columbia V6H 0A7 (CA). **KURZ, Volker L.S.**; 5858 Horton Street, Suite 320, Emeryville, California 94608 (US). **LIONBERGER, Troy A.**; 5858 Horton Street, Suite 320, Emeryville, California 94608 (US). **LOWE, Randall D.**; 5858 Horton Street, Suite 320, Emeryville, California 94608 (US). **MALLEO, Daniele**; 5858 Horton Street, Suite 320, Emeryville, California 94608 (US). **MCFARLAND, Andrew W.**; 5858 Horton Street, Suite 320, Emeryville, California 94608 (US). **NEVILL, J. Tanner**; 5858 Horton Street, Suite 320, Emeryville, California 94608 (US). **WANG, Xiaohua**; 5858 Horton Street, Emeryville, California 94608 (US).

(74) **Agents**: **KUAN, Roger C.** et al.; K&L Gates, 630 Hansen Way, Palo Alto, California 94304 (US).

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(54) **Title**: IN SITU-GENERATED MICROFLUIDIC ISOLATION STRUCTURES, KITS AND METHODS OF USE THEREOF

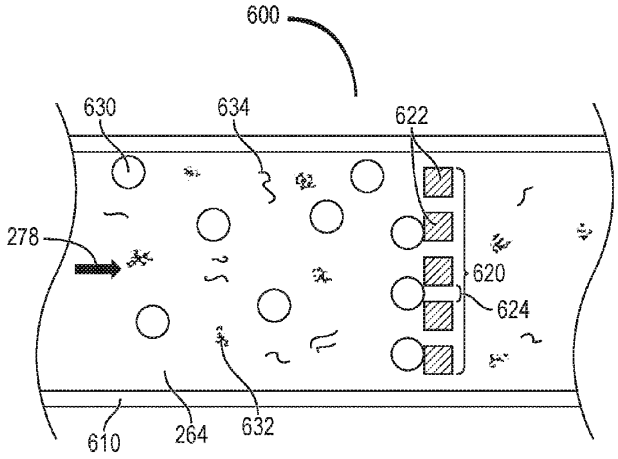


FIG. 6

(57) **Abstract**: In situ-generated microfluidic isolation structures incorporating a solidified polymer network, methods of preparation and use, compositions and kits therefor are described. The ability to introduce in real time, a variety of isolating structures including pens and barriers offers improved methods of micro-object manipulation in microfluidic devices. The in situ-generated isolation structures may be permanently or temporarily installed.

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