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(71) Applicant: **BECTON, DICKINSON AND COMPANY**
[US/US]; 1 Becton Drive, Mail Code 110, Franklin Lakes,
New Jersey 07417-1880 (US).

(72) Inventors: **ISAACSON, S. Ray**; 671 South 850 West,
Layton, Utah 84041 (US). **MCKINNON, Austin Jason**;
5618 Adeline Court, Herriman, Utah 84096 (US).

(74) Agents: **METCALF, Craig** et al.; Kirton McConkie, 36 S.
State Street, Suite 1900, Salt Lake City, Utah 84111 (US).

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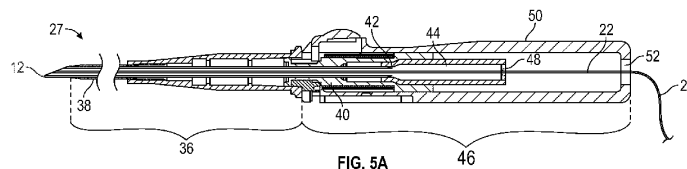
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(54) Title: CANNULA LOCATOR DEVICE



(57) Abstract: A cannula locator device is described herein. The cannula locator device may include a cannula. The cannula may include a distal tip, an elongated tubular shaft, and an inner lumen formed by the elongated tubular shaft. The cannula locator device may also include a first optical fiber configured to emit light and a second optical fiber configured to receive reflected light. The first and second optical fibers may be disposed within the inner lumen of the cannula. The first optical fiber may include a first distal end and a first proximal end. The second optical fiber may include a first proximal end and first distal end.