US005170450A

United States Patent [19]

Dahlgren

[11] Patent Number: 5,170,450

[45] Date of Patent: Dec. 8, 1992

[54] **DUAL-CORE FIBER LAUNCHING COUPLER**

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[21] Appl. No.: **679,798**

[22] Filed: **Apr. 3, 1991**

[51] **Int. Cl.**[5] **G02B 6/26**

[52] **U.S. Cl.** **385/43**; 385/42

[58] **Field of Search** 350/96.15, 96.20; 385/15, 31, 42, 43, 30, 39, 125, 126

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[57] **ABSTRACT**

A fiber optic coupler and method of manufacture of same in which a single core optical fiber is twisted about a dual core optical fiber and is heated to softening while drawing the melted junction out to form a biconical taper for providing a controlled splitting ratio for light from the single optical fiber into the dual core fiber. In another embodiment two single core fibers are fused to form a dual core fiber without coupling between the cores.

11 Claims, 2 Drawing Sheets