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(54) **Title:** OPTICAL DEVICES AND OPTO-ELECTRONIC MODULES AND METHODS FOR MANUFACTURING THE SAME

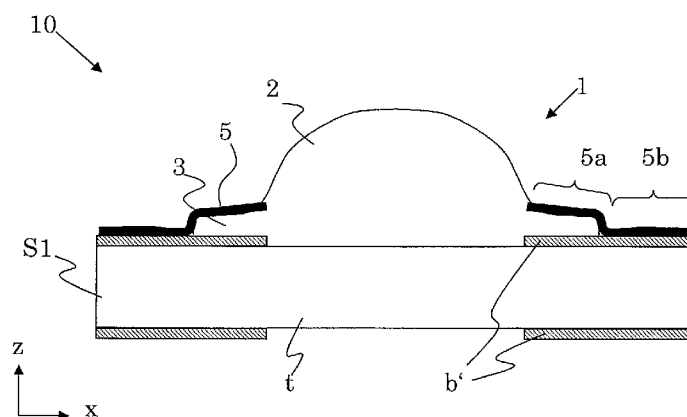


Fig. 2

(57) **Abstract:** The optical device comprises a first substrate (S1) comprising at least one optical structure (1) comprising a main portion (2) and a surrounding portion (3) at least partially surrounding said main portion. The device furthermore comprises non-transparent material (5, 5a, 5b) applied onto said surrounding portion. The opto-electronic module comprises a plurality of these optical devices comprised in said first substrate. The method for manufacturing an optical device comprises the steps of • a) providing a first substrate comprising at least one optical structure comprising a main portion and a surrounding portion at least partially surrounding said main portion; and • b) applying a non-transparent material onto at least said surrounding portion. Said non-transparent material is present on at least said surrounding portion still in the finished optical device.