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(54) Title: OPTICAL BENCH APPARATUS AND FABRICATION METHOD THEREFOR FOR HETEROGENEOUS LASER INTEGRATION

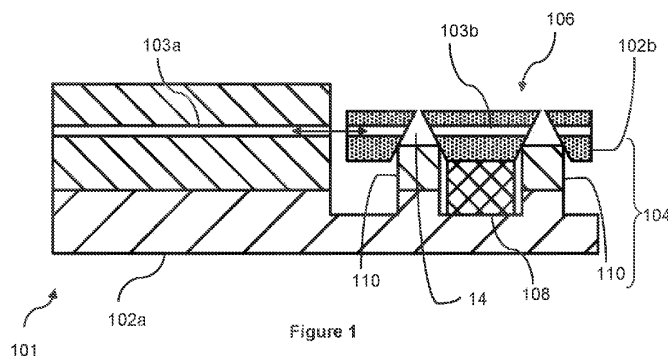


Figure 1

(57) Abstract: The present invention relates to an optical bench apparatus (100) for a heterogeneous laser integration. The optical bench apparatus (100) comprises a first chip (101) including a first substrate (102a), a first waveguide and an optical bench (104) formed on at least one portion of the first substrate (102a). At least one vertical alignment pillar (110) is formed on at least one portion of the optical bench (104). An active chip (106) is formed with a second waveguide. Furthermore, the present invention relates to a method for fabricating the optical bench apparatus.



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