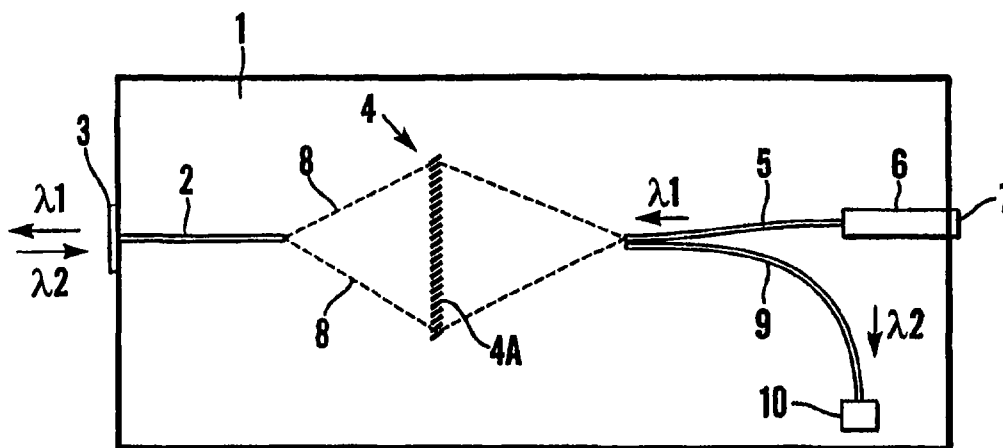




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(54) Title: AN INTEGRATED OPTICAL TRANSCEIVER**(57) Abstract**

An integrated optical transceiver comprising: a laser cavity formed between first and second feedback elements (3, 7), wavelength selective means, e.g. a diffraction grating (4), within the laser cavity for determining a lasing wavelength thereof and a light receiver (10), one of the feedback elements (3) being partially transmissive at the lasing wavelength to enable the transceiver to emit radiation at the lasing wavelength, and the wavelength selective means (4) being arranged to receive light through the feedback element (3) and transmit light of a selected wavelength, differing from the lasing wavelength, to the light receiving means (10).