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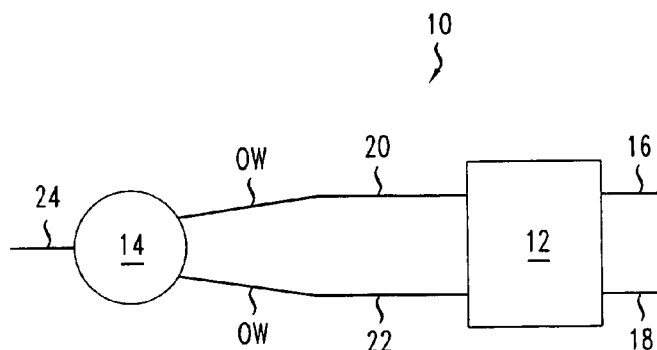
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(54) **Title:** OPTICAL INTERLEAVERS AND DE-INTERLEAVERS

FIG. 1



(57) **Abstract:** An apparatus includes one or more optical de-interleavers. Each optical de-interleaver includes an optical component having a first pair of optical input and output ports and a second pair of optical input and output ports and a 1x2 optical coupler. Each optical output port of the optical component is optically connected to a corresponding optical port of the 1x2 optical coupler. The optical component is constructed to operate as a first optical filter for light propagating between the optical ports of the first pair and is constructed to operate as a second optical filter for light propagating between the optical ports of the second pair. The first and second optical filters have substantially regularly spaced and interleaved passbands.



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