

Title (en)  
OPTICAL DIFFERENTIATION DEVICE

Title (de)  
OPTISCHER SIGNALTEILER

Title (fr)  
DIFFERENCIATEUR OPTIQUE

Publication  
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Application  
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Abstract (en)  
[origin: WO0110045A2] The invention concerns an optical device (1) for differentiating a first optical signal and an optical signal delayed relatively to the first, wherein the differentiation is represented by a signal carried by a continuous wave passing through the two arms (5, 6) of an inteferometer comprising media whereof the index is a function of the optical power traversing said media. The delayed signal is looped-back on one of the arms through a delay (7).

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**H04B 1/00**

IPC 8 full level  
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