

Title (en)  
SURFACE-FREE RING CAVITY OPTICAL RESONATOR, CORRESPONDING COMMUNICATION AND/OR VIDEO PROJECTION APPARATUS

Title (de)  
OBERFLÄCHENLOSER OPTISCHER RING-RESONATOR UND ENTSPRECHENDE KOMMUNIKATIONS- UND/ODER VIDEOPROJEKTIONSGERÄTE

Title (fr)  
RESONATEUR OPTIQUE EN ANNEAU SANS SURFACE, APPAREIL DE COMMUNICATION ET/OU DE PROJECTIONS VIDEO CORRESPONDANT

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Application  
**EP 02801130 A 20021212**

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Abstract (en)  
[origin: WO03050925A2] The invention concerns a surface-free ring cavity optical resonator (250, 450), the resonator comprising a plurality of modules, each of the modules itself including polarizing splitter means (251, 470, 471) for an incident beam in accordance with a polarization base ((x,y), (x,z)), first and second arms, one of the arms including means for redirecting and switching (214, 213, 234, 233) an output beam, said resonator further comprising in at least one of the modules, means for amplifying (215, 225, 205) at least one output beam located on the path of the beam(s) to be amplified, between the polarizing splitter means and the redirecting and switching means of the arm concerned.

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