

Title (en)

OPTICAL DEVICE AND MICROSCOPE COMPRISING AN OPTICAL DEVICE FOR THE COLLINEAR COMBINATION OF LIGHT BEAMS OF VARYING WAVELENGTHS

Title (de)

OPTISCHE VORRICHTUNG UND MIKROSKOP MIT EINER OPTISCHEN VORRICHTUNG ZUR KOLLINEAREN VEREINIGUNG VON LICHTSTRAHLEN UNTERSCHIEDLICHER WELLENLÄNGE

Title (fr)

DISPOSITIF OPTIQUE ET MICROSCOPE COMPRENANT UN DISPOSITIF OPTIQUE POUR REALISER LA COMBINAISON COLINEAIRE DE FAISCEAUX LUMINEUX DE LONGUEURS D'ONDE DIFFERENTES

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Application

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Priority

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Abstract (en)

[origin: WO2005019898A1] The invention relates to an optical device containing a dispersive element (1) and a projection lens (5), which define a splitting plane (7), on which a location is assigned to each light wavelength. A microstructured element (9) is located on the splitting plane, said element guiding light beams (13, 19), which emanate from different directions and are focused on the locations corresponding to their wavelengths, through the projection lens (5) to the dispersive element (1), which combines the light beams in a collinear manner.

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