

Title (en)

DEVICE FOR COMBINING LIGHT HAVING DIFFERENT WAVELENGTHS

Title (de)

VORRICHTUNG ZUR KOMBINATION VON LICHT UNTERSCHIEDLICHER WELLENLÄNGE

Title (fr)

DISPOSITIF POUR LA COMBINAISON DE LUMIERE DE LONGUEUR D'ONDE DIFFERENTE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2006119943A1] The invention relates to a method for combining or splitting the beam paths of substantially nonpolarized light having at least three different wavelength intervals. According to said method, the beam path of the light having the wavelength interval that lies between the other wavelength intervals is split or combined when the beam paths of the light having the two other wavelength intervals have already been or are still combined. The invention further relates to an illumination unit which comprises a white light source and utilizes said method by means of an interference filter to split the white light into red, blue, and green light beams. Also disclosed is an illumination unit which encompasses a red, green, and blue light source and utilizes the inventive method by means of an interference filter to combine the beam paths of the light sources.

IPC 8 full level

H04N 9/31 (2006.01)

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Citation (search report)

See references of WO 2006119943A1

Citation (examination)

- US 2002113764 A1 20020822 - YAMADA FUMIAKI [JP], et al
- "PROJECTION DISPLAYS.", 1 January 1999, CHICHESTER : JOHN WILEY & SONS., GB, ISBN: 978-0-471-98253-1, article EDWARD H. STUPP ET AL: "Projection Displays", XP055278444, 030124

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