

Title (en)

DEVICE FOR PROJECTING THE LIGHT OF A SEMICONDUCTOR LASER UNIT COMPRISING A PLURALITY OF EMITTERS ONTO A WORKING PLANE, AND ILLUMINATING DEVICE COMPRISING SUCH A PROJECTION DEVICE

Title (de)

ABBILDUNGSVORRICHTUNG FÜR DIE ABBILDUNG DES LICHTES EINER HALBLEITERLASEREINHEIT MIT EINER MEHRZAHL VON EMITTERN IN EINE ARBEITSEBENE SOWIE BELEUCHTUNGSVORRICHTUNG MIT EINER DERARTIGEN ABBILDUNGSVORRICHTUNG

Title (fr)

DISPOSITIF DE CONCENTRATION SERVANT A CONCENTRER LA LUMIERE D'UNE UNITE LASER A SEMI-CONDUCTEURS COMPRENANT UNE PLURALITE D'EMETTEURS DANS UN PLAN DE TRAVAIL ET DISPOSITIF D'ECLAIRAGE POURVU D'UN TEL DISPOSITIF DE CONCENTRATION

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Application

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Abstract (en)

[origin: WO2004110769A1] The invention relates to a device for projecting the light of a semiconductor laser unit (1) comprising a plurality of emitters onto a working plane. Said projection device comprises a collimating means (6) for at least partly collimating the light emitted by the semiconductor laser unit (1) in at least one direction which extends essentially perpendicular to the spreading direction (Z) of the light, and focusing means for at least partly focusing or projecting the at least partly collimated light onto the working plane. The inventive projection device (2, 12) further comprises light-guiding means (8, 13) which are provided with an incident area for light emitted by the collimating means (6) and an emission area from which light can be emitted to the focusing means. Said imaging device (2, 12) is embodied such that light from at least two of the emitters can enter the incident area. The invention also relates to an illuminating device encompassing such a projection device.

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