

Title (en)  
OPTICAL SCANNING DEVICE

Title (de)  
OPTISCHE ABTASTVORRICHTUNG

Title (fr)  
DISPOSITIF DE BALAYAGE OPTIQUE

Publication  
**EP 3205929 A2 20170816 (EN)**

Application  
**EP 17152156 A 20170119**

Priority  
JP 2016011933 A 20160125

Abstract (en)  
There is provided a headlight unit 1 configured to make phosphors emit light efficiently. The headlight unit 1 includes a laser-light emission device 14, a light deflector 15, a phosphor panel 20, and a projector lenses 19 in order along a light traveling path. The rotational position of a light emitting unit 45 of the laser-light emission device 14 about an optical axis is so set that the minor axis direction of an optical spot Sp generated on a light incident surface 41 of the phosphor panel 20 will be a direction along a scanning direction Hc of the optical spot Sp on the light incident surface 41.

IPC 8 full level  
**F21S 8/12** (2006.01)

CPC (source: EP US)  
**F21S 41/16** (2017.12 - EP US); **F21S 41/176** (2017.12 - EP US); **F21S 41/675** (2017.12 - EP US)

Citation (applicant)  
JP 5577138 B2 20140820

Cited by  
EP3324105A1; EP3904944A1; CN113568164A; US10378713B2; US11358517B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3205929 A2 20170816**; **EP 3205929 A3 20171115**; **EP 3205929 B1 20201209**; EP 3287692 A1 20180228; JP 2017134133 A 20170803; JP 6684602 B2 20200422

DOCDB simple family (application)  
**EP 17152156 A 20170119**; EP 17191946 A 20170119; JP 2016011933 A 20160125