

Title (en)

APPLICATIONS, METHODS AND SYSTEMS FOR A LASER DELIVER ADDRESSABLE ARRAY

Title (de)

ANWENDUNGEN, VERFAHREN UND SYSTEME FÜR EIN ADRESSIERBARES ARRAY MIT LASERAUSGABE

Title (fr)

APPLICATIONS, PROCÉDÉS ET SYSTÈMES POUR UN RÉSEAU ADRESSABLE DE DISTRIBUTION LASER

Publication

EP 3323179 A1 20180523 (EN)

Application

EP 16825215 A 20160714

Priority

- US 201562193047 P 20150715
- US 2016042363 W 20160714

Abstract (en)

[origin: WO2017011706A1] There is provided assemblies for combining a group of laser sources into a combined laser beam. There is further provided a blue diode laser array that combines the laser beams from an assembly of blue laser diodes. There are provided laser processing operations and applications using the combined blue laser beams from the laser diode arrays and modules.

IPC 8 full level

H01S 5/40 (2006.01); **G02B 6/04** (2006.01); **H01S 3/067** (2006.01)

CPC (source: CN EP KR RU US)

G02B 6/02042 (2013.01 - CN); **G02B 6/04** (2013.01 - CN); **G02B 27/0905** (2013.01 - CN EP); **G02B 27/0922** (2013.01 - KR); **G02B 27/0977** (2013.01 - CN EP); **G02B 27/108** (2013.01 - CN EP); **H01S 3/302** (2013.01 - CN KR); **H01S 5/005** (2013.01 - KR); **H01S 5/02208** (2013.01 - KR); **H01S 5/0225** (2021.01 - KR); **H01S 5/02325** (2021.01 - KR); **H01S 5/02423** (2013.01 - KR); **H01S 5/32341** (2013.01 - CN EP KR); **H01S 5/4012** (2013.01 - CN EP KR US); **H01S 5/405** (2013.01 - KR); **H01S 5/4062** (2013.01 - CN RU); **H01S 5/4087** (2013.01 - CN); **G02B 6/02042** (2013.01 - EP); **H01S 3/30** (2013.01 - EP); **H01S 3/302** (2013.01 - EP); **H01S 5/005** (2013.01 - EP US); **H01S 5/02208** (2013.01 - EP); **H01S 5/02251** (2021.01 - EP); **H01S 5/02255** (2021.01 - EP); **H01S 5/02325** (2021.01 - EP); **H01S 5/02423** (2013.01 - EP); **H01S 5/405** (2013.01 - EP); **H01S 5/4087** (2013.01 - EP); **Y02P 10/25** (2015.11 - EP)

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

US 2016042363 W 20160714; CA 2992464 A 20160714; CN 201680041725 A 20160714; CN 202110334054 A 20160714; EP 16825215 A 20160714; JP 2018501225 A 20160714; JP 2020209313 A 20201217; JP 2023192275 A 20231110; KR 20187003763 A 20160714; KR 20227006597 A 20160714; KR 20237009474 A 20160714; RU 2018105599 A 20160714; RU 2020111447 A 20160714