



(12) **United States Patent
Smith**

(10) **Patent No.:** US 9,048,000 B2
(45) **Date of Patent:** *Jun. 2, 2015

(54) **HIGH BRIGHTNESS LASER-DRIVEN LIGHT SOURCE**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **13/964,938**

(22) Filed: **Aug. 12, 2013**

(65) **Prior Publication Data**
US 2014/0117258 A1 May 1, 2014

Related U.S. Application Data
(63) Continuation of application No. 13/024,027, filed on Feb. 9, 2011, now Pat. No. 8,525,138, which is a continuation-in-part of application No. 12/166,918, filed on Jul. 2, 2008, now Pat. No. 7,989,786, which is a continuation-in-part of application No. 11/695,348, filed on Apr. 2, 2007, now Pat. No. 7,786,455, which is a continuation-in-part of application No. 11/395,523, filed on Mar. 31, 2006, now Pat. No. 7,435,982.

(60) Provisional application No. 61/302,797, filed on Feb. 9, 2010.

(51) **Int. Cl.**
G01J 1/00 (2006.01)
G21K 5/04 (2006.01)
B82Y 10/00 (2011.01)
G03F 7/20 (2006.01)

(Continued)

(52) **U.S. Cl.**
CPC **G21K 5/04** (2013.01); **Y10T 29/49002** (2015.01); **B82Y 10/00** (2013.01); **G03F**

7/70033 (2013.01); **H01J 61/16** (2013.01); **H01J 65/04** (2013.01); **H05B 41/382** (2013.01); **H05G 2/001** (2013.01); **H05G 2/003** (2013.01); **H05G 2/008** (2013.01); **Y02B 20/204** (2013.01); **G21K 5/00** (2013.01)

(58) **Field of Classification Search**
USPC 250/504 R
See application file for complete search history.

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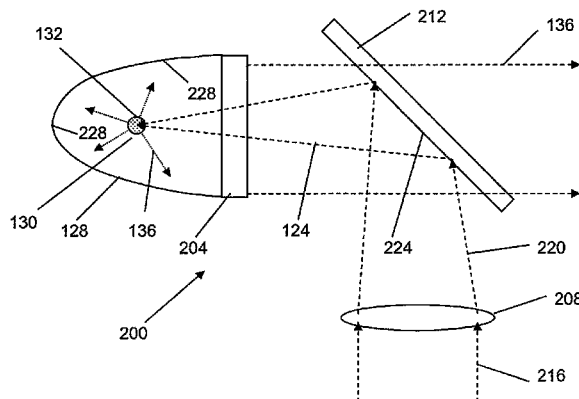
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(57) **ABSTRACT**

An apparatus for producing light includes a chamber and an ignition source that ionizes a gas within the chamber. The apparatus also includes at least one laser that provides energy to the ionized gas within the chamber to produce a high brightness light. The laser can provide a substantially continuous amount of energy to the ionized gas to generate a substantially continuous high brightness light.

26 Claims, 39 Drawing Sheets



- (51) **Int. Cl.**
H01J 61/16 (2006.01)
H01J 65/04 (2006.01)
H05B 41/38 (2006.01)
H05G 2/00 (2006.01)
G21K 5/00 (2006.01)

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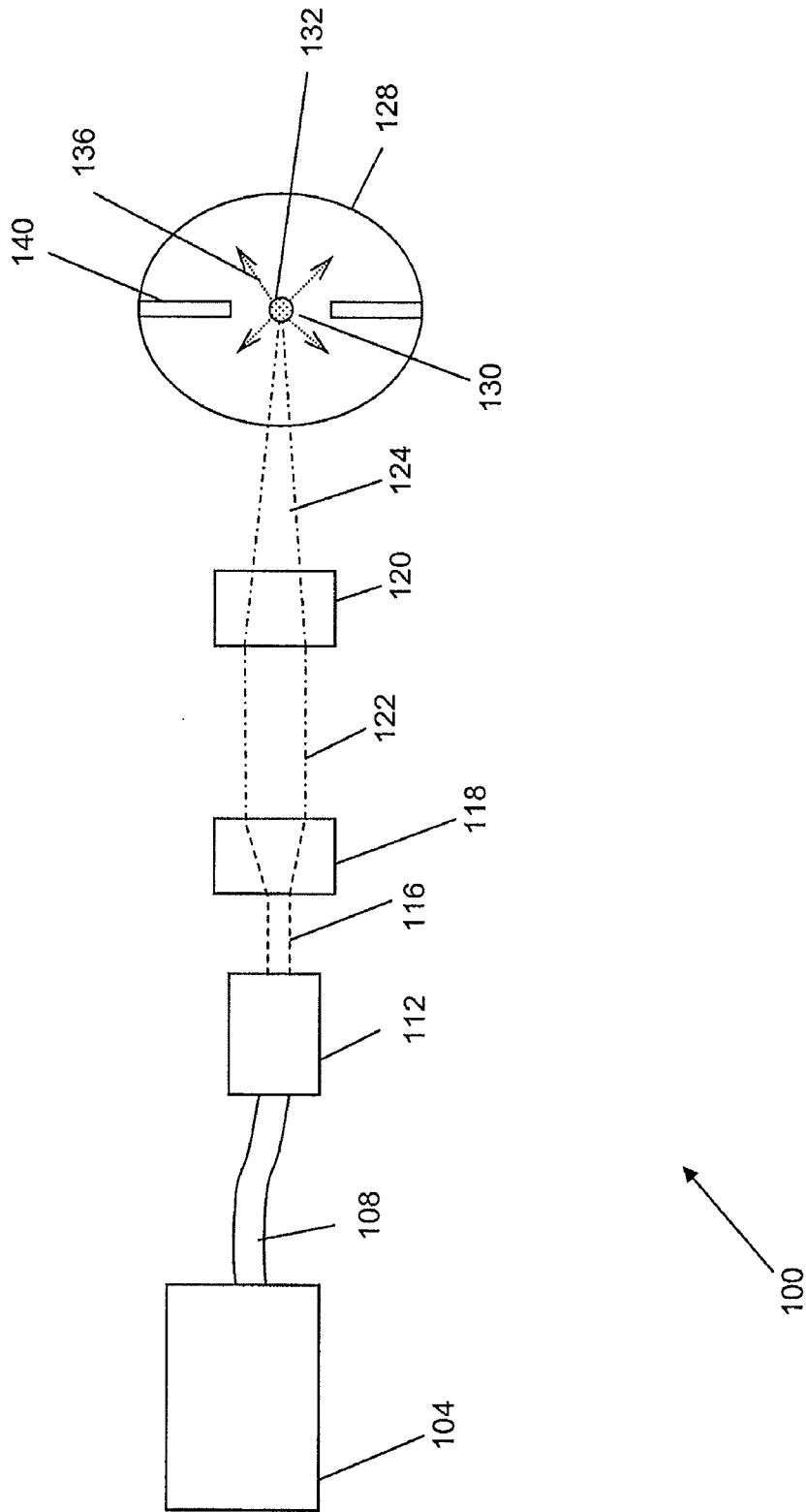


FIG. 1

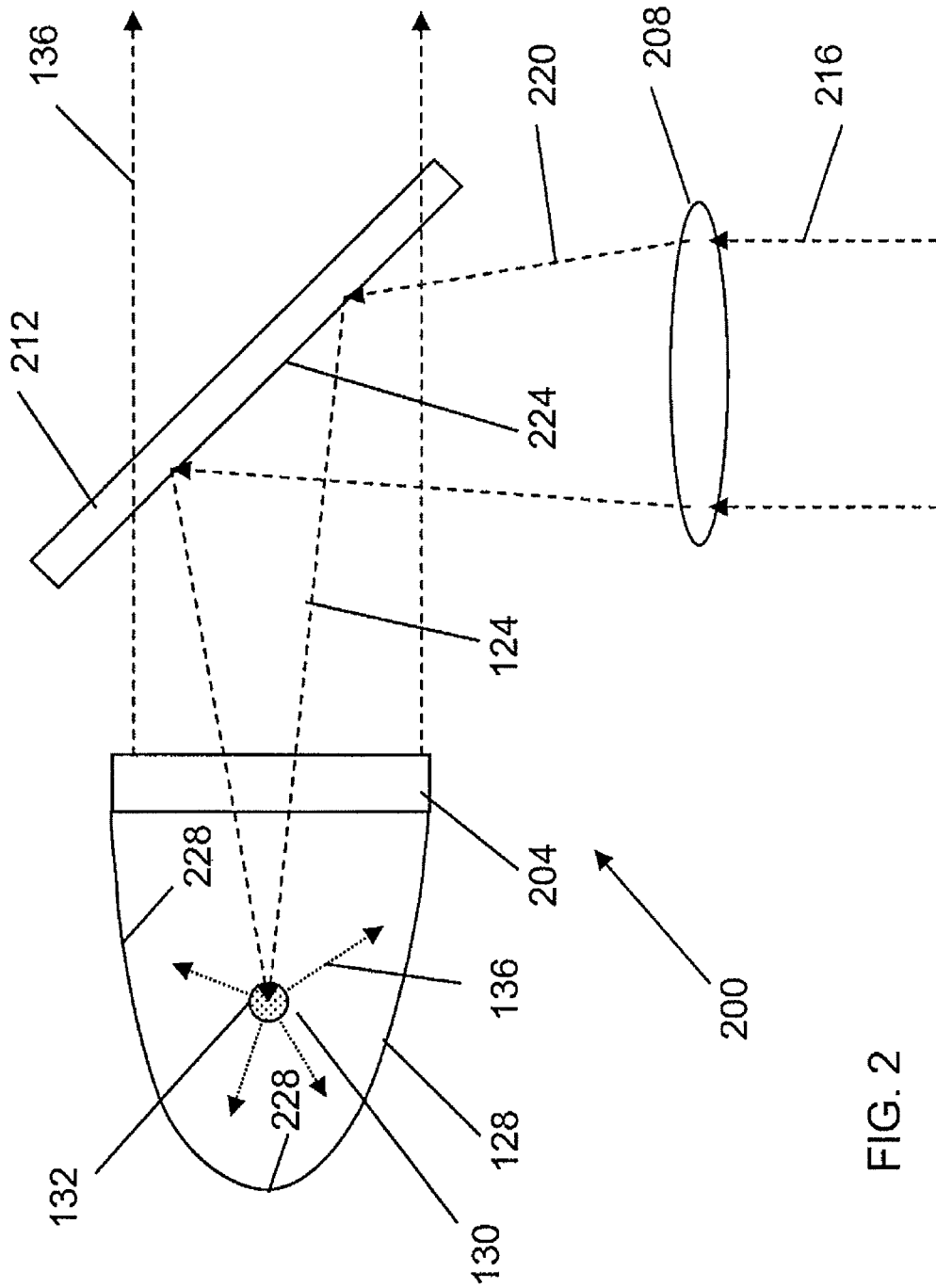


FIG. 2

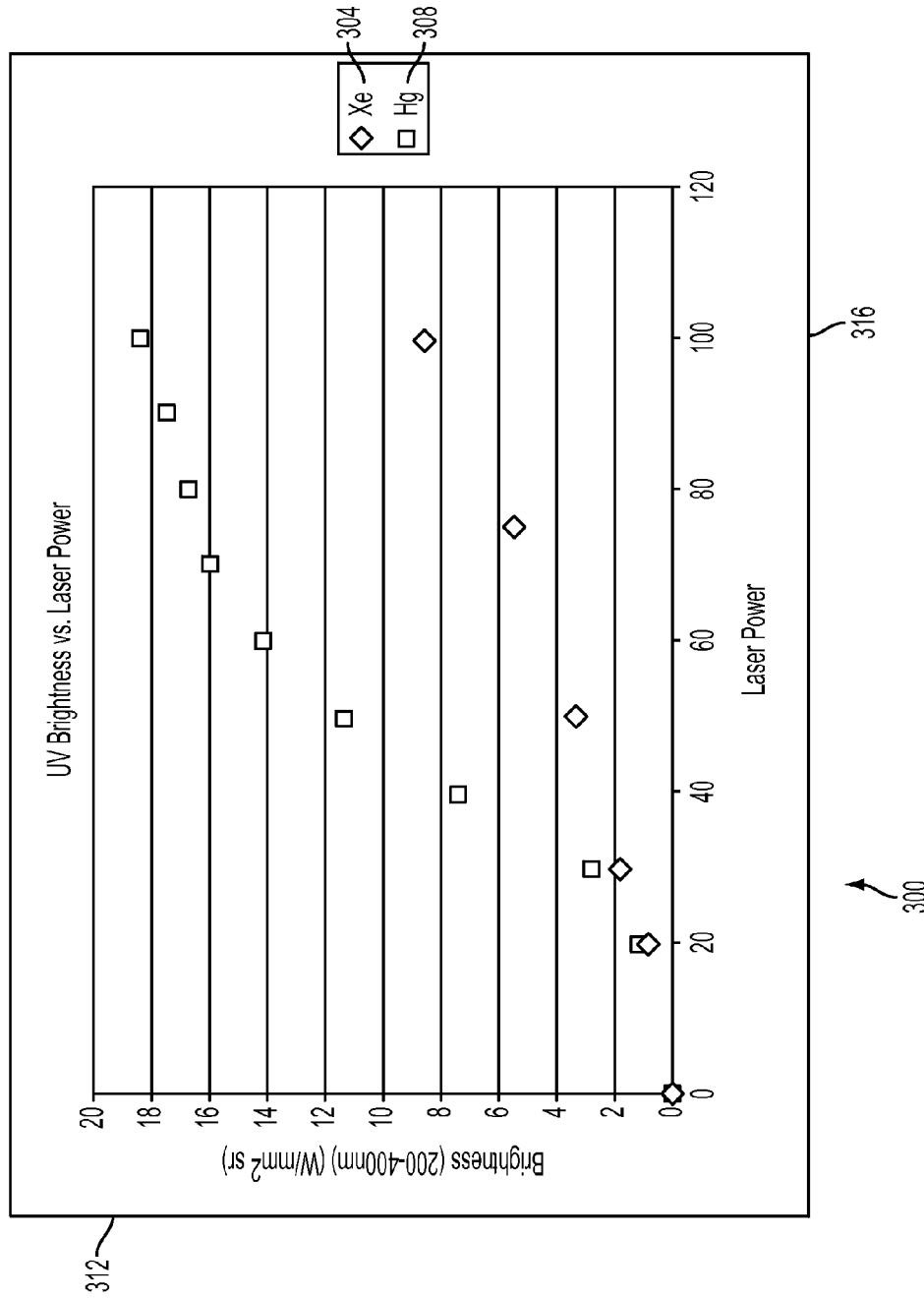


FIG. 3

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