



US008248715B2

(12) **United States Patent**
Asami et al.

(10) **Patent No.:** **US 8,248,715 B2**
(45) **Date of Patent:** **Aug. 21, 2012**

(54) **IMAGING LENS AND IMAGING APPARATUS USING IMAGING LENS**

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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 301 days.

(21) Appl. No.: **12/635,014**

(22) Filed: **Dec. 10, 2009**

(65) **Prior Publication Data**

US 2010/0142062 A1 Jun. 10, 2010

(30) **Foreign Application Priority Data**

Dec. 10, 2008 (JP) P2008-313893
Dec. 1, 2009 (JP) P2009-273449

(51) **Int. Cl.**
G02B 9/62 (2006.01)
G02B 13/04 (2006.01)

(52) **U.S. Cl.** **359/762; 359/752**

(58) **Field of Classification Search** 359/762,
359/754-756, 761, 749-752, 691
See application file for complete search history.

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(57) **ABSTRACT**

An imaging lens is provided and includes, in order from the object side, a front group having a negative power, a stop, and a rear group having a positive power. The front group includes, in order from the object side, a first negative lens having a meniscus shape with a concave surface on an image side, a second negative lens, and a third positive lens. The rear group includes, in order from the object side, a fourth positive lens, a fifth negative lens having a meniscus shape with a concave surface on the object side, and a sixth positive lens. An Abbe number of each of the first lens, the second lens, the fourth lens, and the sixth lens at the d-line is equal to or larger than 40, and an Abbe number of each of the third lens and the fifth lens at the d-line is equal to or smaller than 40. Each lens constituting the front group and the rear group is a single lens.

24 Claims, 17 Drawing Sheets

EXAMPLE 1

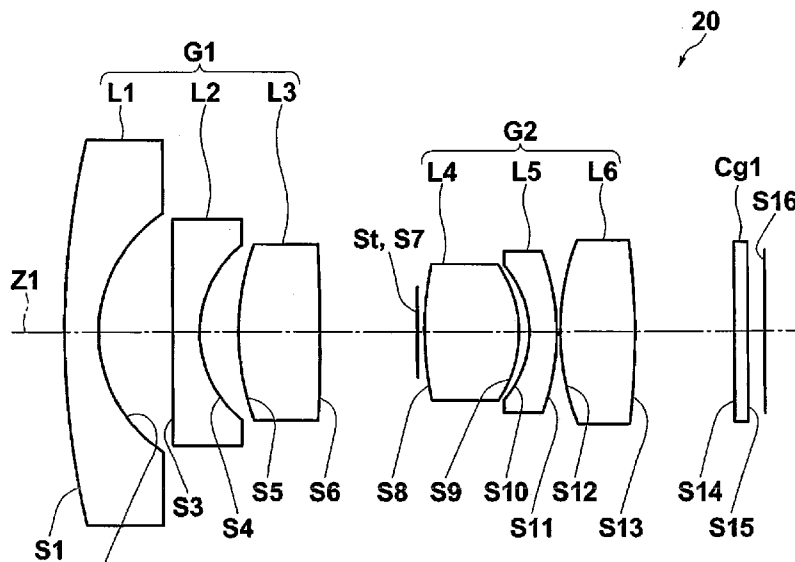


FIG. 1

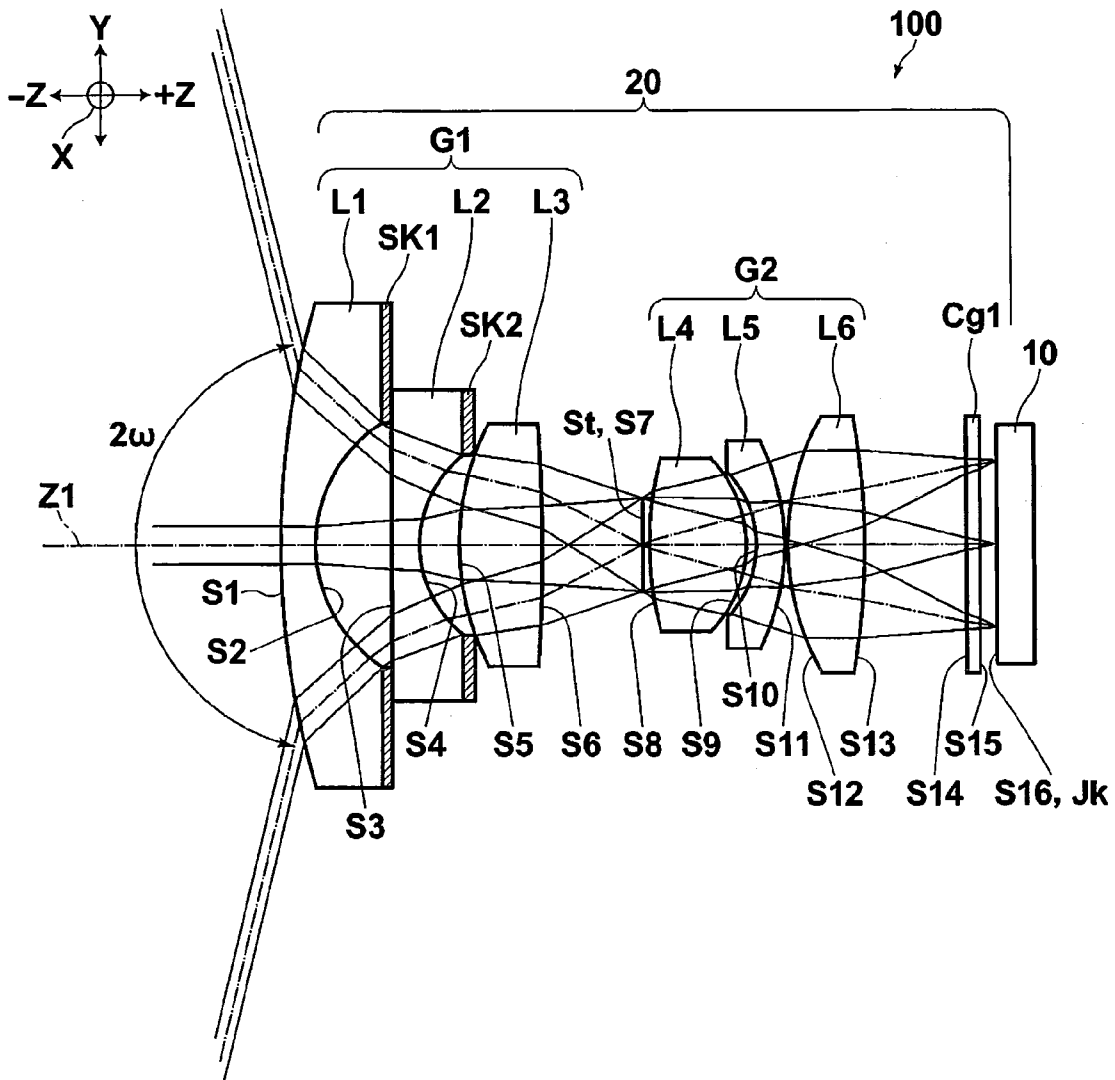


FIG. 2

EXAMPLE 1

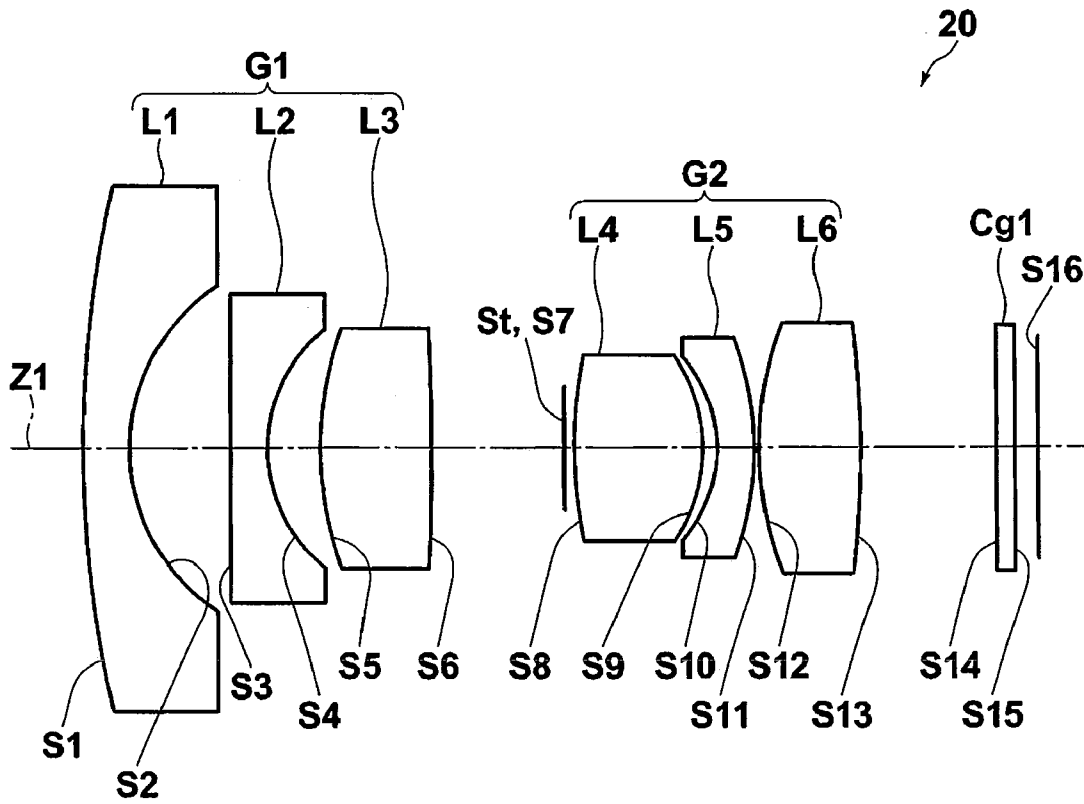


FIG. 3

EXAMPLE 2

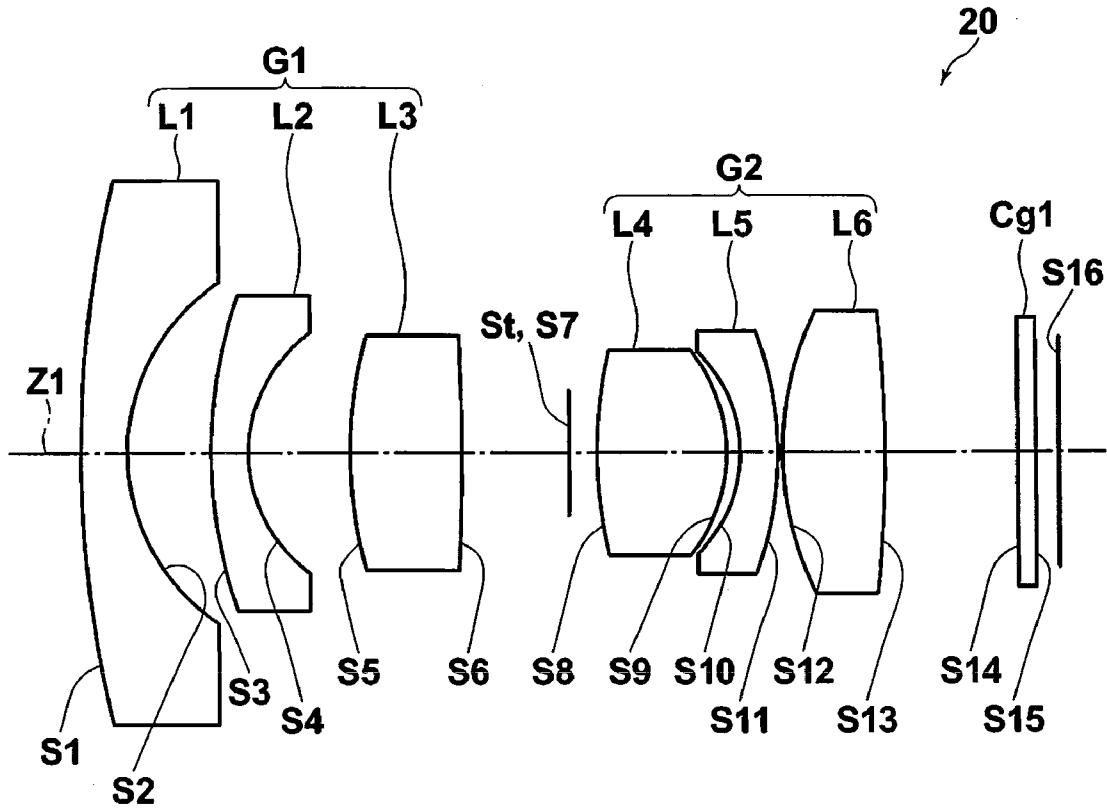
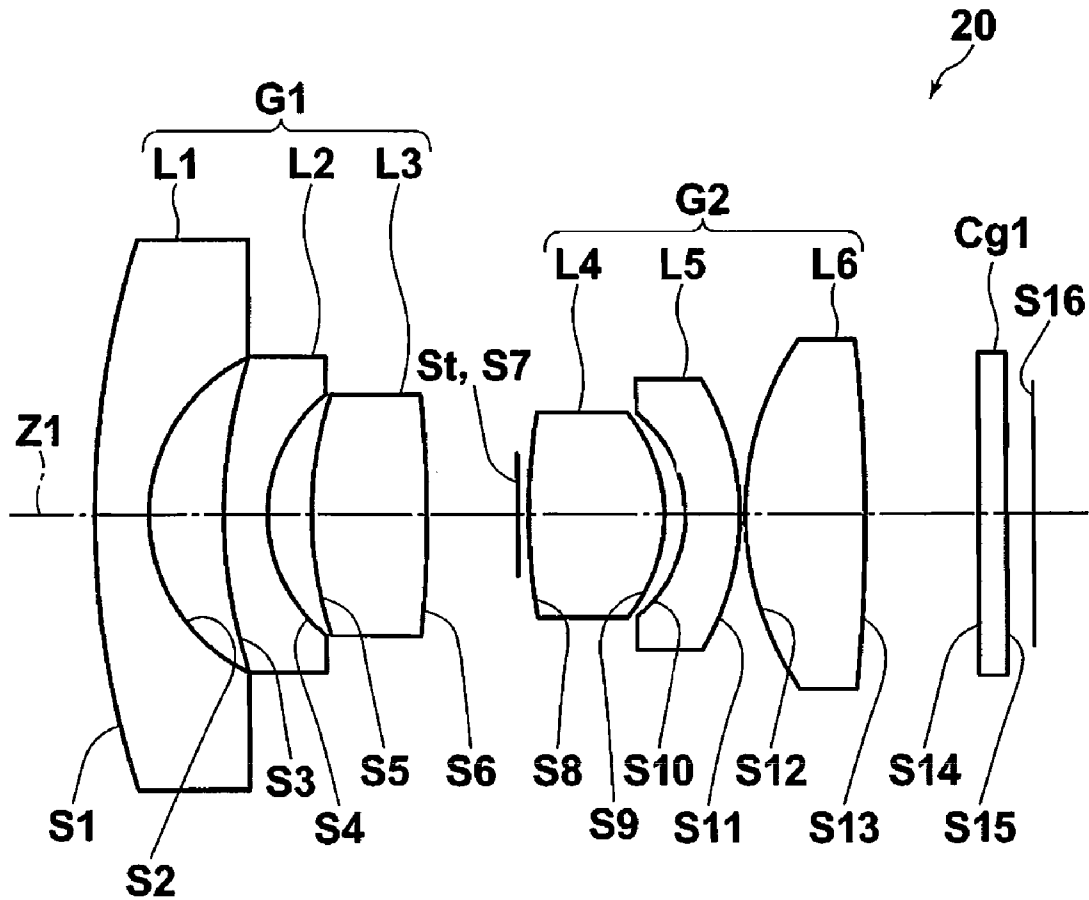


FIG. 4

EXAMPLE 3



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