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**Asami et al.**

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

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(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

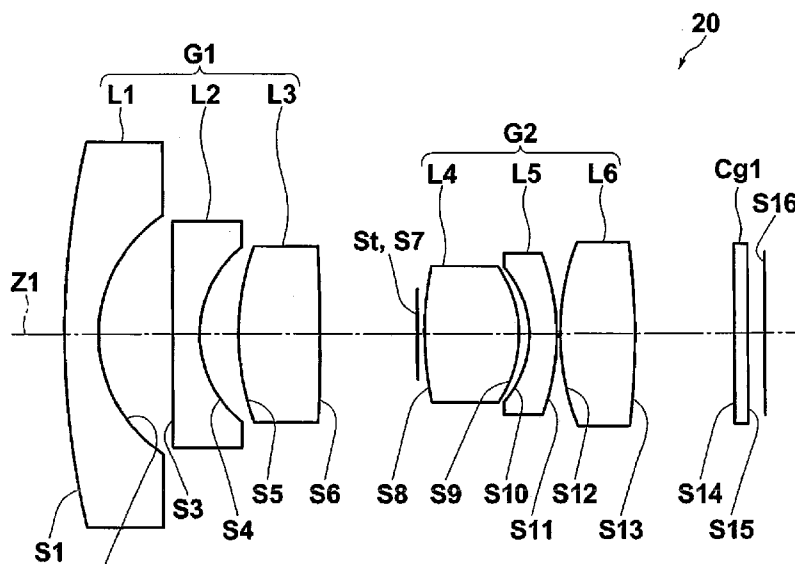


FIG. 1

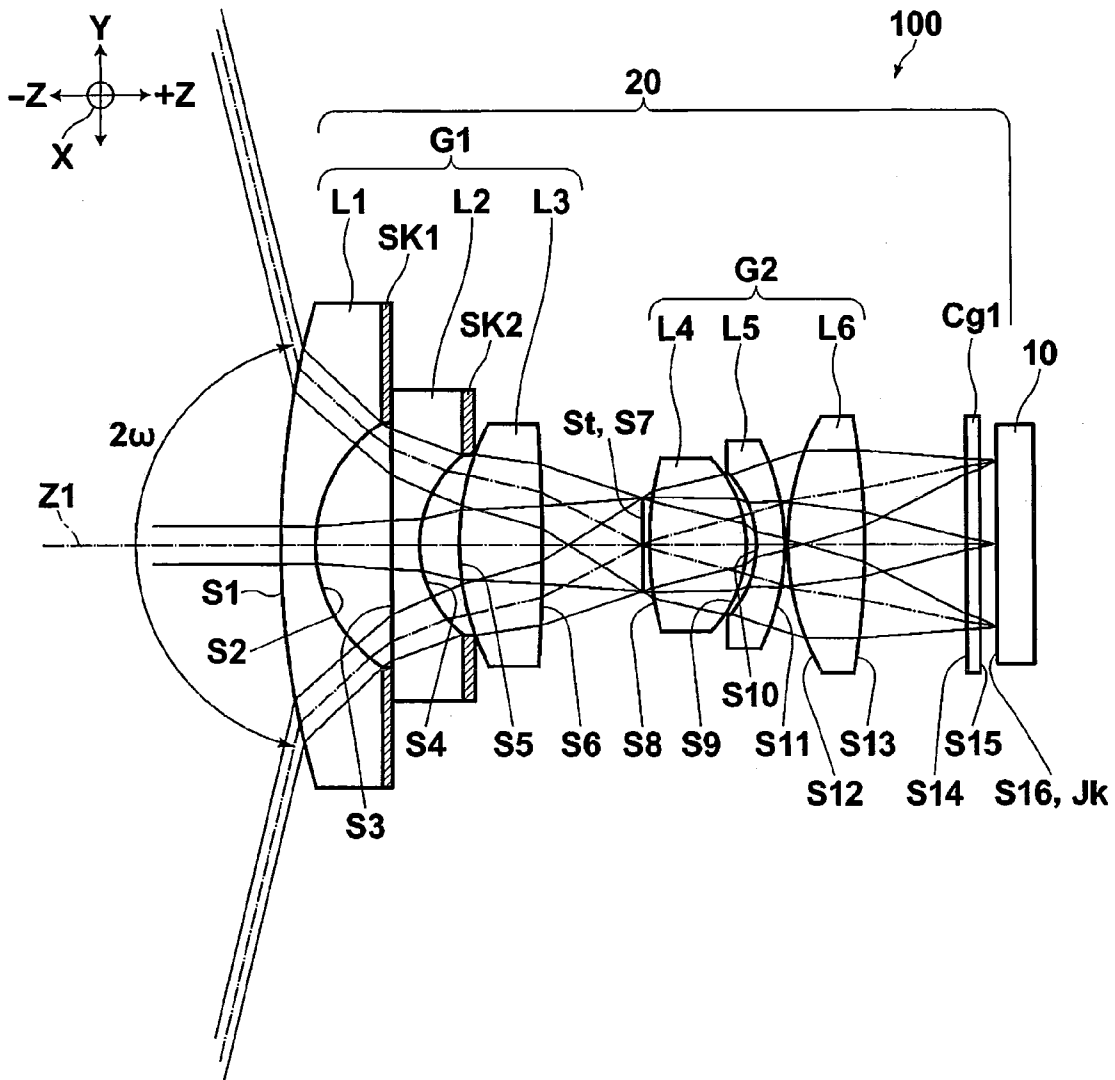


FIG. 2

EXAMPLE 1

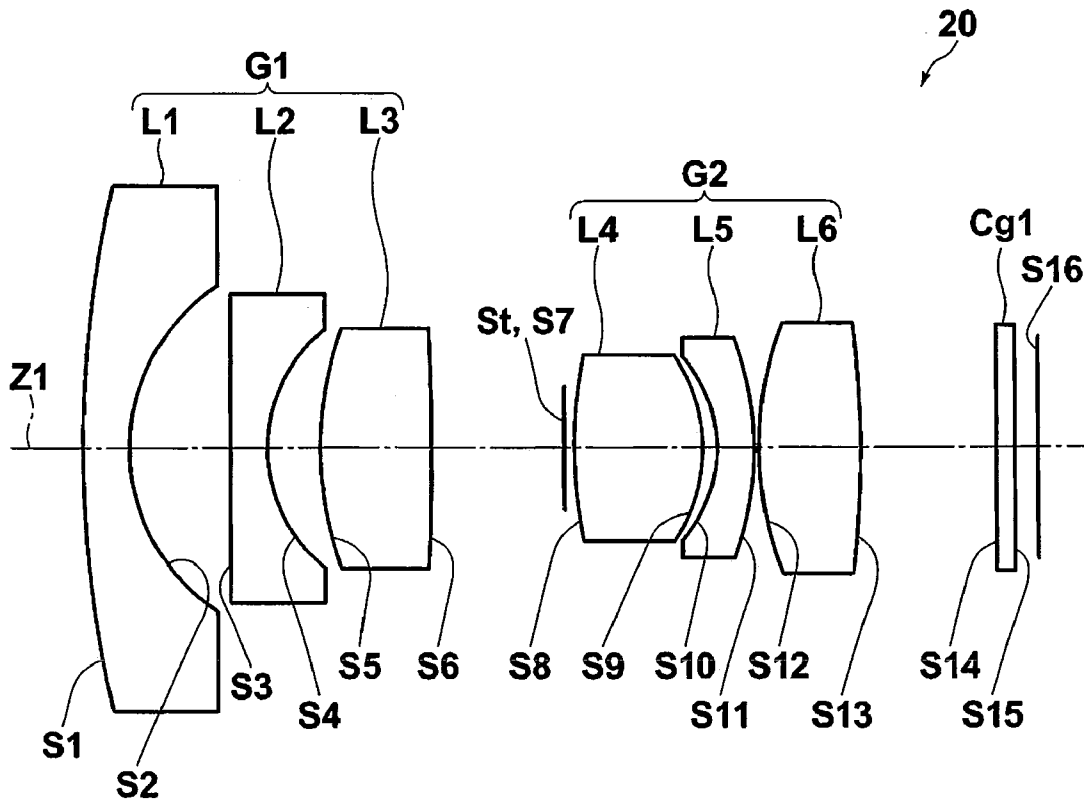


FIG. 3

EXAMPLE 2

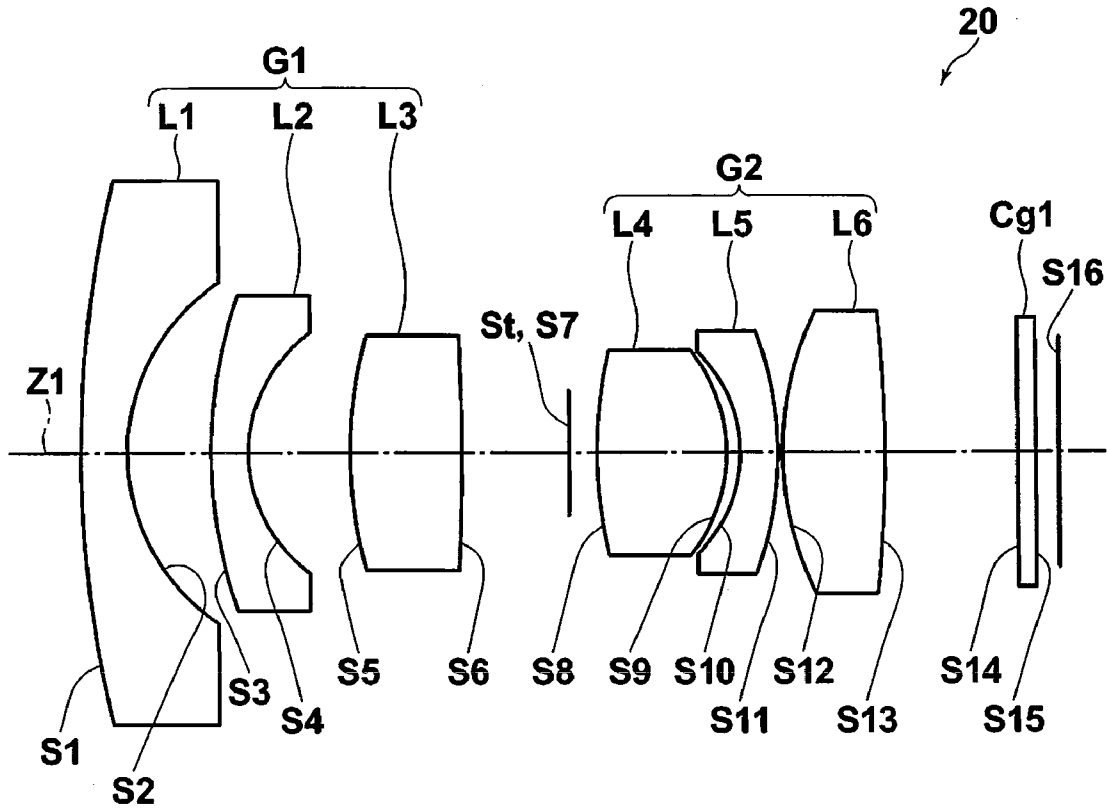
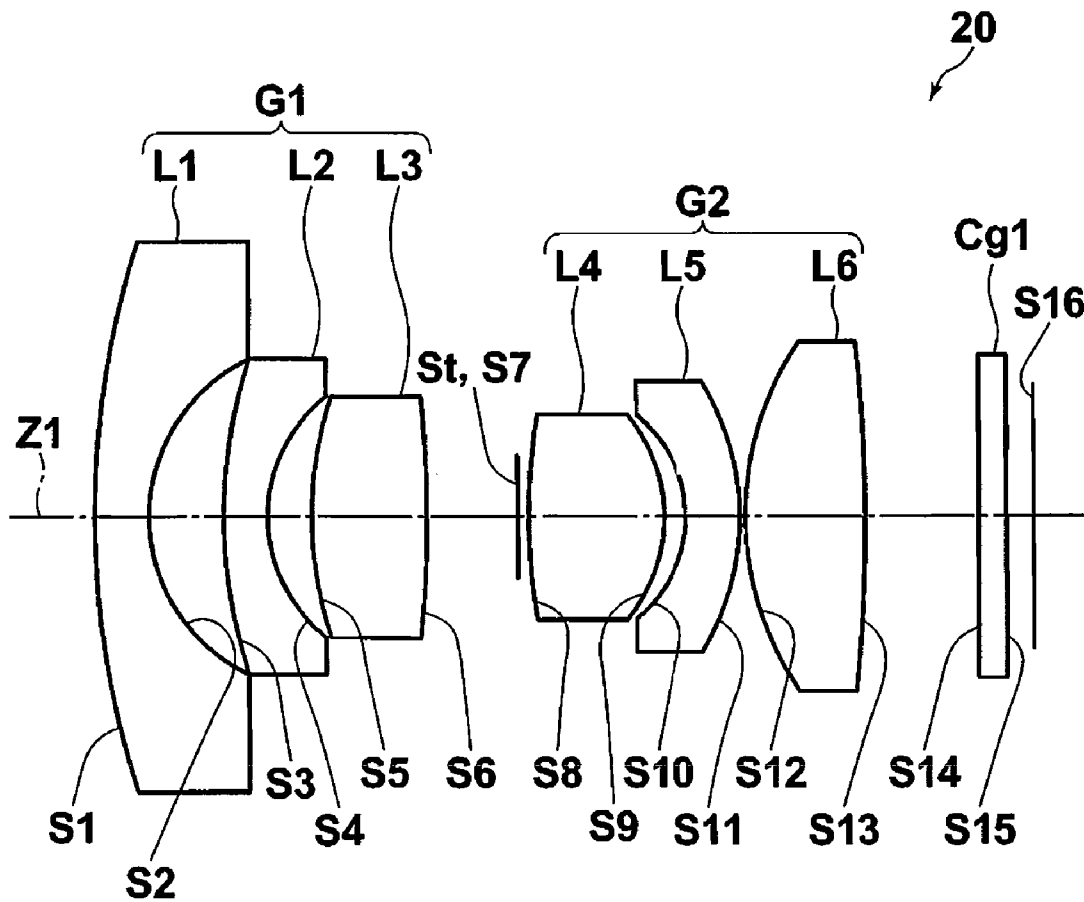


FIG. 4

EXAMPLE 3



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