

PATENT SPECIFICATION

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COMPLETE SPECIFICATION.

Improvements in or relating to Colour Photography.

We, SOCIÉTÉ FRANÇAISE CINE-CHROMATIQUE (PROCEDES R. BERTHON), of 24, Rue de la Pepiniere, Paris, France, a French Société Anonyme, assignees of
5 SOCIÉTÉ CIVILE POUR L'ÉTUDE DE LA PHOTOGRAPHIE ET DE LA CINEMATOGRAPHIE EN COULEURS, of Neuilly, (Seine), France, a body corporate
10 hereby declare the nature of this invention and in what manner the same is to be performed, as to be particularly described and ascertained in and by the following statement:—

15 In R. Berthon's process of colour photography on lenticular films, as described for example in Specification No. 10,611/1909, use is made of colour filters arranged in front of either the
20 camera or the projection machine lens.

Such colour filters hitherto used comprise either three or five colour strips.

25 Where 3-strip filters are used, the strips have different colours which, generally, are red, green and violet.

30 In the case of 5-strip filter-selectors, the lateral strips are intended to remove such dominants as appear when projecting. Therefore, a certain relation must exist between the colours of these side strips and those of the remaining ones in the filter-selector.

35 This invention provides a filter-selector for use in colour photography on lenticular films, which is characterised primarily in that the said filter-selector comprises four parallel strips. However, the side strips are both of the same colour, whereby this selector is mainly distinguished from those hitherto used, while
40 the two central strips are each of a different colour, so as to provide a tri-colour filter-selector.

Taking as an example a tri-colour red-green-violet filter-selector, there may be provided two violet side strips, the two central strips being red and green respectively.

It is to be understood that modifications may be made in the distribution of the colours. Thus for instance, the side

strips can be coloured red while the two central strips can be coloured green and violet respectively.

This invention is subject to no limitation whatever as far as the width of the strips is concerned. Each strip in the filter may be given a different width without departing from the invention.

60 For picture-taking and most picture projecting purposes, the filter-selector consists of a dyed carrier made of such material as gelatine, celluloid and the like. For projection purposes it may sometimes be desirable to substitute in the
65 known manner for such gelatine, celluloid or like filter-selectors, liquid-containing vessels each of which acts as a filter, and in this case, the vessels will be divided into compartments each of which provides
70 a zone of the filter.

The invention covers 4-strip vessels of this type both side strips of which are of the same colour.

75 Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—

80 1. A filter-selector for use in connection with R. Berthon's process of colour photography on lenticular films, as described for example in Specification No. 10,611/1909, characterised in that the filter-selector, whatever its composition
85 may be, comprises four parallel strips of which the outer ones are of the same colour while the two central strips each are of a different colour so as to provide
90 a tri-colour filter-selector.

2. The colour screens substantially as described.

Dated this 1st day of July, 1929.

SOCIÉTÉ FRANÇAISE CINE-CHROMATIQUE (PROCEDES R. BERTHON).

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