

## PATENT SPECIFICATION

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377,177

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(Patent of Addition to No. 329,899: dated April 17, 1929.)

Complete Accepted: July 18, 1932.

## COMPLETE SPECIFICATION.

**Improvements in or relating to the Reproduction by Contact  
Printing of Colour Record Images Made on Photographic or  
Cinematographic Lenticular Films.**



We, KISLYN CORPORATION, a Corporation organised under the laws of the State of Delaware, United States of America, of Wilmington, Delaware, United States of America, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

10 This invention is an improvement in or modification of that described in specification No. 329,899, which relates to the reproduction without watering of colour-record images on linear lenticular films by contact printing on similar film material. This prior process consists in moving the combination of original film and the film to be printed on with the embossed faces adjacent continuously and at the same speed through a gate comprising two guideways, one for each film, slightly inclined with respect to each other, screening the composite film by means of an opaque plate provided opposite the point of intersection of the centre lines of the two films, said plate having an appropriate aperture the height of which corresponds exactly to the quotient of the width of a lenticular element divided by the sine of the angle between the centre lines of the two films and the width of which is not less than the lenticular width of the film; moving the two films simultaneously and continuously to produce during a distance of travel corresponding to the height of the aperture, a lateral movement of the lenticular elements of one film relatively to those of the other equal to the spacing of two consecutive elements, and illuminating the said aperture with projected light while the composite film is moving past.

The object of the present invention is the application of the above process to lenticular films for colour photography the lenticular elements of which are transverse, i.e. perpendicular to the margins of the film.

According to the prior process of Specification No. 329,899, the sliding of the

reproduction film relatively to the original film is effected in a direction perpendicular to the lenticular elements and therefore to the edges of the films but according to the present invention this sliding is effected in the direction of the length of the films. 55

This longitudinal sliding may be effected by any suitable means, for example by feeding original and reproduction films having feed perforations of slightly different pitch past an illumination aperture of suitable height. Alternatively the two films may be driven by pinions of slightly different diameters. 60

The slight angular crossing of the two films, which is necessary in the case of two longitudinally lenticulated films, is of course unnecessary in the case of transversely lenticulated films. 65

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:— 70

A modification of the continuous process for reproducing colour-record images on linear lenticular films by contact printing as described in Specification No. 329,899, characterised in that for use with transversely lenticulated films, the sliding of the reproduction film with respect to the original film during the period of illumination, (which sliding is effected transversely to the direction of the lenticular elements of the films), is effected in a direction parallel to the direction of displacement of the films, the edges of which are parallel and not inclined at a slight angle to each other, said sliding being obtained for example by employing original and reproduction films having feed perforations of slightly different pitch, or by driving the two films by pinions of slightly different diameters. 75

Dated this 18th day of March, 1931.

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