

Title (en)
METHOD AND DEVICE FOR DETECTING DEFECTS, SUCH AS STAINS, SCRATCHES AND DUST, ON A FILM IN ORDER, FOR EXAMPLE, TO CORRECT SAID DEFECTS WHILE THE FILM IS BEING DIGITISED

Title (de)
VERFAHREN UND VORRICHTUNG FÜR DIE ERFASSUNG VON FEHLERN WIE VERUNREINIGUNGEN UND KRATZERN EINES FILMES, BESONDERS FÜR IHRER KORREKTUR WÄHREND DER FILMDIGITALISIERUNG

Title (fr)
PROCEDE ET DISPOSITIF POUR LA DETECTION DE DEFAUTS TELS QUE SOUILLURES ET RAYURES SUR UN FILM NOTAMMENT EN VUE D'EFFECTUER LEUR CORRECTION LORS DE LA NUMERISATION DU FILM

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Abstract (en)
[origin: WO03067871A2] The invention relates to a method of detecting defects, such as stains, scratches and dust, on a film in order, for example, to correct said defects while the film is being digitised. The inventive method consists in advancing the film (1) through an optical assembly comprising: on one side of the film, at least two sources of light (3a, 3b) having different wavelengths which illuminate the film in a narrow area thereof; and, on the other side of said film, a lens (7) which projects the two images of the area illuminated by the beams (4a, 4b) from the two sources onto two linear photosensitive elements which are adapted, respectively, to the wavelengths of the two sources. Moreover, said method consists in comparing the digital data delivered by the two detection elements, the result of said comparison being used to perform the aforementioned detection and correction. The invention is suitable for use in detecting defects such as stains, scratches and dust on a film.

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