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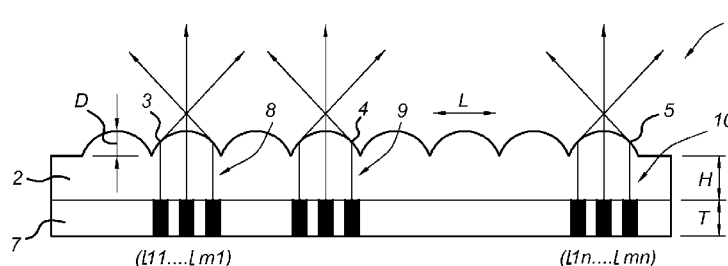
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(54) Title: METHOD AND APPARATUS FOR MANUFACTURING A SECURITY DOCUMENT COMPRISING A LENTICULAR ARRAY AND BLURRED PIXEL TRACKS

Fig 1



(57) Abstract: This invention relates to a method of manufacturing a display device, in particular a security document, comprising the steps of providing m images of an object, wherein m is at least equal to 2, dividing each image into n sets adjacent arrays $(I_{1,1}, I_{1,2}, \dots, I_{1,n}), \dots, (I_{m,1}, I_{m,2}, \dots, I_{m,n})$ of picture elements, spaced at a mutual distance δ , applying the images in an interlaced manner on an image layer in sets of interlaced arrays $(I_{1,1}, J_{2,1}, \dots, J_{m,1}), \dots, (I_{1,n}, J_{2,n}, \dots, J_{m,n})$ below a lens structure comprising line-shaped lens elements over the image layer with one line shaped lens element overlying a corresponding set of adjacent arrays, characterised in that upon applying the arrays onto the image layer, and/or upon providing the lens elements, each array of picture elements is provided onto the image layer in an out of focus manner to form a blurred array or each array is imaged by the lens elements to form a blurred array, wherein a mutual distance of the edges of adjacent blurred arrays is smaller than the mutual distance δ .