

Title (en)
RING LOCATION

Title (de)
LOKALISIERUNG EINES RINGES

Title (fr)
LOCALISATION D'UN ANNEAU

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Application
EP 02785500 A 20020913

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Abstract (en)
[origin: WO03025841A1] The invention concerns a method for locating, in a digital image, a circle centre, comprising the following steps: a) predefining a set of potential radii of the circle; b) dimensioning (303) two accumulators to a dimension in the form of a column matrix not larger than the size of the image in x-axis and a line matrix not larger than the size of the image in y-axis; c) sequentially, for each pixel of the image: (i) selecting successively each potential radius; (ii) evaluating the position of the potential centre of a circle of the selected radius and whereof the pixel concerned is on the periphery; and (iii) incrementing said accumulators at the x-axis and the y-axis of the potential centre; and d) selecting (304), as coordinates of the located centre, the x-axis and the y-axis corresponding to the maximum of accumulators.

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