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(54) **HIGH ACCURACY 5-PART DIFFERENTIAL WITH DIGITAL HOLOGRAPHIC MICROSCOPY AND UNTOUCHED LEUKOCYTES FROM PERIPHERAL BLOOD**

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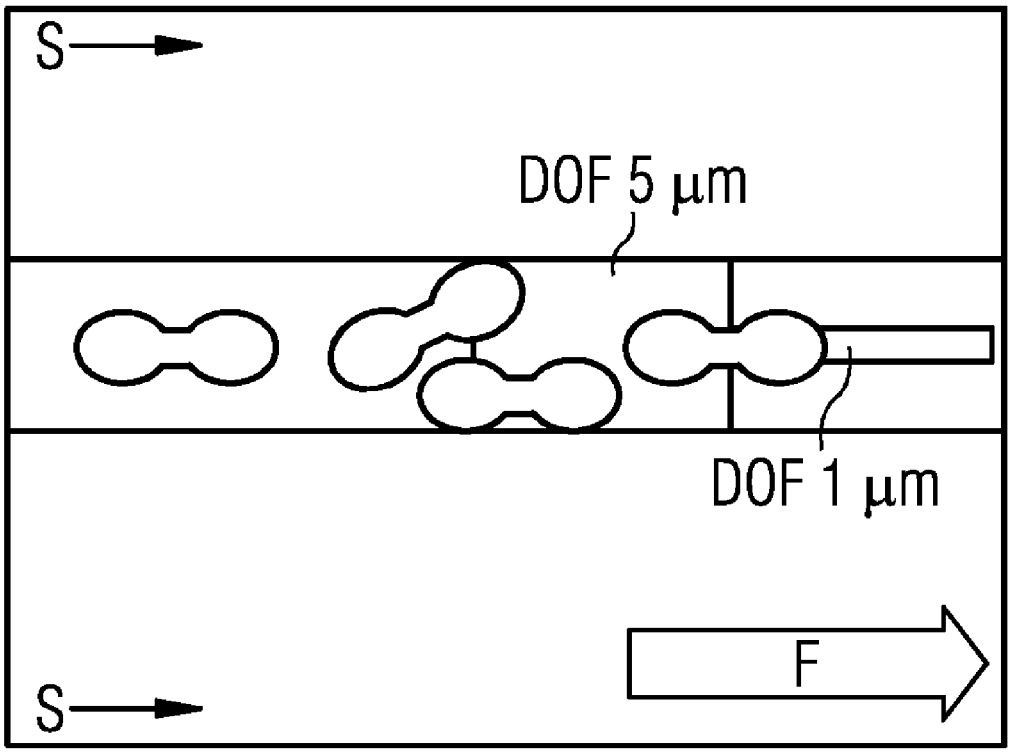
(57) **ABSTRACT**

The present invention relates to an improved method for marker-free detection of a cell type of at least one cell in a medium using microfluidics and digital holographic microscopy, as well as a device, particular for carrying out the method.