

Title (en)
-i(IN VIVO) ANALYSIS OF RED BLOOD CELL INDICES.

Title (de)
TESTVERFAHREN -I(IN VIVO) FÜR ERYTHROZYTENINDICES.

Title (fr)
ANALYSE -i(IN VIVO) D'INDICES ERYTHROCYTAIRES.

Publication
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Application
EP 87905049 A 19870709

Priority
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Abstract (en)
[origin: WO8800447A1] Apparatus and methods for in vivo determination of red blood cell characteristics from a flow of red blood cells in mucous membranes wherein image capturing means (20) are employed to optically isolate images from a flow of red blood cells and transmit those images to an image receiving means (28) for encoding into electronic signals. The images are also filtered through light filters and subsequently transmitted to a computer (30) for evaluation and analysis. The results of this analysis are then made available for display either on a CRT or hard copy printer (31).

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A61B 5/00

IPC 8 full level
A61B 5/145 (2006.01); **A61B 5/00** (2006.01); **A61B 5/1459** (2006.01); **G01N 15/14** (2006.01); **G01N 15/00** (2006.01)

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Citation (search report)

- [Y] US 3736918 A 19730605 - MUTSCHELKNAUSS R, et al
- [A] DE 3328862 A1 19850228 - SIEMENS AG [DE]
- [Y] ARCH. OPHTHALMOL., vol. 96, May 1978, pages 893-897; J.G. CUNHA-VAZ et al.: "Studies on retinal blood flow. Estimation of human retinal blood flow by slit-lamp fluorophotometry"
- [A] MICROVASCULAR RESEARCH, vol. 5, 1973, pages 351-356, Academic Press, Inc., US; P.C. JOHNSON et al.: "Measurement of capillary hematocrit by photometric techniques"
- [A] MICROVASCULAR RESEARCH, vol. 20, 1980, pages 1-8, Academic Press, Inc., US; K. TYMI et al.: "A method for on-line measurements of red cell velocity in microvessels using computerized frame-by-frame analysis of television images"
- See also references of WO 8800447A1

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