

Title (en)

OPTICAL DEVICE FOR OBSERVING SAMPLES ON A SUPPORT, DESIGNED IN PARTICULAR FOR A CYTOMETER

Title (de)

OPTISCHE EINRICHTUNG ZUR BEOBACHTUNG VON PROBEN AUF EINEM TRÜGER, INSBESONDERE FÜR EIN CYTOMETER ENTWORFEN

Title (fr)

DISPOSITIF OPTIQUE POUR L OBSERVATION D ECHANTILLONS SU R UN SUPPORT, DESTINE NOTAMMENT UN CYTOMETRE

Publication

**EP 1576406 A2 20050921 (FR)**

Application

**EP 03807869 A 20031006**

Priority

- FR 0302930 W 20031006
- FR 0212473 A 20021008

Abstract (en)

[origin: FR2845488A1] Optical device (12) comprises a front face arranged opposite to a sample to be observed and a rear face aligned facing an image acquisition unit (18, 19) or user. An arrangement of four aligned lenses is also provided. The lenses are a plano-convex lens, a divergent meniscus lens, a plano-concave lens and a bi-convex lens. The plano-convex and plano-concave lenses have planar and convex and concave faces respectively.

IPC 1-7

**G02B 21/02**; **G02B 9/36**; **G02B 11/22**

IPC 8 full level

**G02B 9/36** (2006.01); **G02B 9/38** (2006.01); **G02B 11/22** (2006.01); **G02B 21/02** (2006.01); **G02B 7/00** (2006.01)

CPC (source: EP US)

**G02B 9/38** (2013.01 - EP US); **G02B 21/02** (2013.01 - EP US); **G02B 7/003** (2013.01 - EP US)

Citation (search report)

See references of WO 2004034122A2

Citation (examination)

- US 3659924 A 19720502 - SHOEMAKER ARTHUR H
- WARREN J. SMITH: "Modern Lens Design", 1992, MCGRAW-HILL, INC., ROCHESTER, NEW YORK, 059178

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DOCDB simple family (publication)

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DOCDB simple family (application)

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