

Title (en)

ILLUMINATION SYSTEM AND METHOD FOR A HIGH DEFINITION LIGHT MICROSCOPE

Title (de)

BELEUCHTUNGSSYSTEM UND -VORRICHTUNG FÜR EIN HOCHAUFLÖSENDES LICHTMIKROSKOP

Title (fr)

SYSTEME ET TECHNIQUE D'ILLUMINATION POUR MICROSCOPE OPTIQUE HAUTE DEFINITION

Publication

EP 0756717 A4 19971126 (EN)

Application

EP 94914883 A 19940421

Priority

US 9404438 W 19940421

Abstract (en)

[origin: WO9529419A1] An illumination system and method for increasing resolution, sharpness, depth of field, and perception of depth for a light microscope including an objective lens (14) having an optical axis (16), and a set of reflecting mirrors (23, 24) wherein one or more illuminating light beams (28, 32) are reflected from the reflecting mirrors and then focused onto the specimen (20) via paths (33, 34) that pass through the objective lens and are not coincident with objective lens axis.

IPC 1-7

G02B 21/00; **G02B 21/06**; **G02B 21/18**; **G02B 27/10**; **G02B 27/02**

IPC 8 full level

G02B 21/06 (2006.01); **G02B 21/08** (2006.01)

CPC (source: EP)

G02B 21/086 (2013.01)

Citation (search report)

- [X] DE 4214445 A1 19931111 - ZEISS CARL FA [DE]
- [A] US 4127318 A 19781128 - DETERMANN HANS, et al
- [A] WO 9218894 A1 19921029 - UNIMAT USA CORP [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 199 (P - 380) 16 August 1985 (1985-08-16)
- See references of WO 9529419A1

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WO2020141497A1

Designated contracting state (EPC)

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WO 9529419 A1 19951102; AU 6711294 A 19951116; EP 0756717 A1 19970205; EP 0756717 A4 19971126; JP H10502742 A 19980310

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