

Title (en)

PATHOLOGICAL TISSUE ANALYSIS AND REMOVAL SYSTEM.

Title (de)

ENTNAHME-SYSTEM FÜR GEWEBE ZUR PATHOLOGISCHEN UNTERSUCHUNG.

Title (fr)

SYSTEME D'ANALYSE ET D'EXTRACTION DE TISSUS PATHOLOGIQUES.

Publication

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Application

EP 92922417 A 19921013

Priority

- US 9208713 W 19921013
- US 77763991 A 19911015

Abstract (en)

[origin: WO9307806A1] A system (100) for distinguishing among a plurality of materials is disclosed. The system comprises a laser (101) for producing substantially monochromatic electromagnetic energy (103), which impacts a substance (105). The substance (105) generates a pressure wave (107) characteristic of the identity of the substance in response to the impact. An analyzer (109) is operatively oriented to receive the pressure wave (107) and identifies the substance in response to the pressure wave.

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IPC 8 full level

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Citation (search report)

- [X] EP 0374262 A1 19900627 - SUMITOMO ELECTRIC INDUSTRIES [JP]
- [X] WO 9007904 A1 19900726 - MEDILASE INC [US]
- [A] US 4785806 A 19881122 - DECKELBAUM LAWRENCE I [US]
- [A] US 4669467 A 19870602 - WILLETT ROBERT L [US], et al
- [A] US 4778263 A 19881018 - FOLTYN STEPHEN R [US]
- [X] BHATTA ET AL.: "Acoustic and Plasma-Guided Laser Angioplasty", LASERS IN SURGERY AND MEDICINE, no. 9, 1989, pages 117 - 123
- [A] DATABASE WPI Week 7738, Derwent World Patents Index; AN 77-H8521Y
- See references of WO 9307806A1

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