Title (en)

IMAGING SYSTEM WITH INDEPENDENT PROCESSING OF VISIBLE AND INFRARED LIGHT ENERGY

Title (de)

BILDAUFNAHMESYSTEM MIT UNABHÄNGIGER VERARBEITUNG VON SICHTBARER UND INFRAROTLICHTENERGIE

Title (fr)

SYSTEME D'IMAGERIE AVEC TRAITEMENT INDEPENDANT DE L'ENERGIE DE LA LUMIERE VISIBLE ET DE LA LUMIERE INFRAROUGE

Publication

EP 0830789 A4 19981202 (EN)

Application

EP 96922489 A 19960607

Priority

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- US 47278595 A 19950607
- US 66301596 A 19960607

Abstract (en)

[origin: WO9641481A1] In order to protect members adjacent to an invasive procedure on a body, the member to be protected is illuminated preferably with infrared light energy and the entire site of the invasive procedure is viewed through an optical system that conducts both infrared and visible light energy to one or more video cameras (127). Various structures may be employed to separate the visible and infrared light energies so that the signals representing such light energies may be processed separately and differently if desired and then recombined for display or separately displayed on a video color monitor (128). The site is illuminated by light from, in one instance, an endoscope (129). Situated between the source and the endoscope is a filter that blocks infrared light energy and provides color correction of the light provided to the camera(s).

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IPC 8 full level

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Citation (search report)

- [XAY] EP 0512965 A1 19921111 - XILLIX TECHNOLOGIES CORP [CA]
- [XY] WO 9511624 A2 19950504 - FELD MICHAEL S [US], et al
- [A] WO 9005426 A1 19900517 - PEARPOINT LTD [GB], et al
- See also references of WO 9641481A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

WO 9641481 A1 19961219; AU 6334896 A 19961230; CA 2224169 A1 19961219; CA 2224169 C 20060124; EP 0830789 A1 19980325; EP 0830789 A4 19981202

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