

Title (en)

SYSTEM FOR MONITORING ENVIRONMENTAL DOSIMETRY, DOSIMETER AND ENVIRONMENTAL DOSIMETRY METHOD

Title (de)

SYSTEM ZUR ÜBERWACHUNG VON ÖKOLOGISCHER DOSIMETRIE, DOSIMETER UND ÖKOLOGISCHES DOSIMETRIEVERFAHREN

Title (fr)

SYSTEME DE SURVEILLANCE DE DOSIMETRIE D'AMBIANCE, DOSIMETRE ET PROCEDE DE DOSIMETRIE D'AMBIANCE

Publication

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Application

EP 11799327 A 20111117

Priority

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- IB 2011055150 W 20111117

Abstract (en)

[origin: WO2012066497A1] The invention relates to a real-time dosimetry monitoring system which is simple to deploy, efficient and economical and which limits the production of waste. For this purpose, the subject of the invention is a system for monitoring environmental dosimetry, comprising: a plurality of dosimeters (100, 110) not equipped with a display screen or radioactive dose calculator, but each comprising a photodiode (101) sensitive to the radiation to be detected and a discriminator (102) that transforms a pulse representative of radiation detection into a pulse that can be counted by a supervision unit (103), said supervision unit being connected to a wireless transceiver (104) for transmitting raw data representative of the radiation detected by each dosimeter; and at least one relay terminal (200) comprising a wireless transceiver (201) that can communicate with at least some of the transceivers of the dosimeters and with at least one central unit (300) for tracking environmental dosimetry, said central unit being able to calculate the radiation dose sensed by each dosimeter on the basis of the raw data transmitted by each dosimeter.

IPC 8 full level

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