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54 **Method of fractional attenuation of electromagnetic radiation.**

57 A method for the protection of matter, including humans, by attenuation of electromagnetic radiation is disclosed. The method comprises providing the matter with a protective layer formed from at least two elements, or compounds thereof, selected from different specified groups. The elements provide complementary attenuation of the radiation, and may be selected to optimize protection against specific energy spectra. The elements or compounds may be in a carrier e.g. a polymer. The method may be used in a variety of ways e.g. in protection of humans from x-rays, gamma rays or other radiation, or in packaging applications, protection of equipment sensitive to radiation or the like.

EP 0 370 812 A3



| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|---|--|--|---|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int. Cl.5) |
| X | US-A-3 514 607 (E.W. WEBSTER) * Column 1, lines 60-62; column 2, lines 8-41; column 3, lines 8-22; column 4, lines 4-11,40-45,55-64 * | 1-9,17-26,32-33 | G 21 F 1/02 |
| X | JP-A-63 061 999 (TOSHIBA) * Abstract * | 1,9,18-19,26 | |
| X | FR-A-1 069 538 (F. LACOR) * Page 1, left-hand column, paragraph 5 - right-hand column, paragraph 3 * | 1,3,9,18-19,21,26 | |
| A | GB-A- 873 528 (J. SLABA et al.) * Page 1, line 49 - page 2, line 18 * | 1-2 | |
| A | JP-A-58 060 299 (TORAY) * Abstract * | 1,3-4,9-11,17-19,21-22,26-28,33 | |
| | | | TECHNICAL FIELDS SEARCHED (Int. Cl.5) |
| | | | G 21 F 1/00 |
| The present search report has been drawn up for all claims | | | |
| Place of search THE HAGUE | | Date of completion of the search 21-05-1990 | Examiner CAPOSTAGNO E. |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p> | | | |