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(54) **Gamma irradiation.**

(57) To increase the efficiency of utilisation of radiation from a gamma source when irradiating discrete articles (1) they are first assembled in an array (2,3) of such thickness that on irradiation on one face the dose received at half the thickness from that face is significantly less than half the dose adjacent that face and may be as little as one-quarter of that dose. The array is then irradiated equally on both faces, divided midway between those faces and re-assembled with those faces in contact with one another to form a new array which in its turn is irradiated from each of the two newly-exposed faces to the same exposure as before.

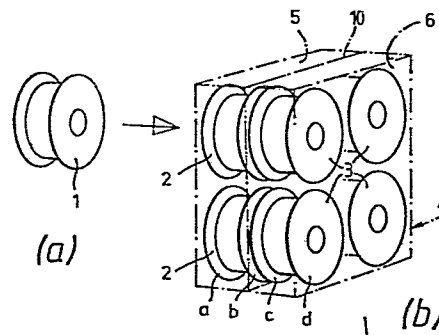
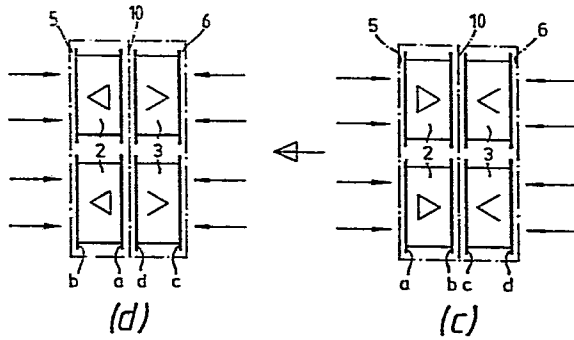


Fig. 1.





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. ³)
A	FR-A-1 286 598 (U.K.A.E.A.) * Abstract points 1-3 * ---	1	G 21 G 1/04
A	FR-A-1 278 396 (U.K.A.E.A.) * Abstract points 1,6 * ---	1	
A	FR-A-1 398 637 (VITRO) ---		
A	GB-A- 805 819 (GENERAL ELECTRIC) -----		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
			G 21 G G 21 K

Place of search
THE HAGUE

Date of completion of the search
07-05-1984

Examiner
NICOLAS H. J. F.

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
Y : particularly relevant if combined with another document of the same category
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E : earlier patent document, but published on, or after the filing date
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& : member of the same patent family, corresponding document