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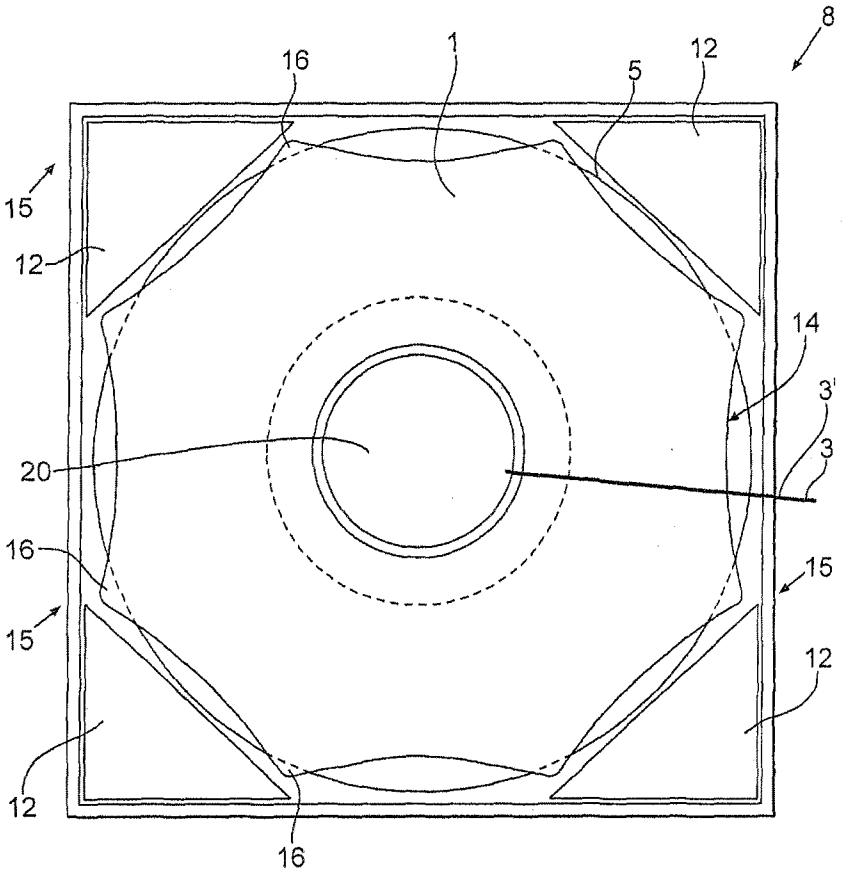
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[Continued on next page]

(54) Title: GUIDE RING FOR COILED WIRE



(57) Abstract: A payoff ring constructed from high density polyethylene includes a beveled inner circumference that guides ductile wire, such as aluminum welding wire, from a coil packaged in a box-like container. The body of the payoff ring is fashioned with holes or cavities that significantly reduce the weight of the payoff ring by up to 50% of the overall weight. The payoff ring floats freely in the box-like container and guides the wire as it is being withdrawn from the container while not distorting the wire. The outer configuration of the payoff ring is constructed to engage to the sides of the container thereby preventing the payoff from rotating during use.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC: **B65H 59/06/ B65D 85/67**

USPC: 242/128,156.1,423.1;206/408,409
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 242/ 128, 156.1, 423.1; 206/ 408, 409

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST BRS,- "polygon$ near ring"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2,864,565 A (WHEARLEY) 16 December 1958 (16.12.1958), see entire document	1-21
A	US 5,845,865 A (CIPRIANI) 08 December 1998 (08.12.1998), see entire document	1-21
A	US 7,178,755 B2 (HSU et al) 20 February 2007 (20.02.2007), see entire document	1-21
A	US 7,198,152 B2 (BARTON et al) 03 April 2007 (03.04.2007), see entire document	1-21

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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