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(71) Applicant: **ISOTROPIC SYSTEMS LTD** [GB/GB];
20-22 Wenlock Road, London N17GU (GB).

(72) Inventors: **TURPIN, Jeremiah P.**; 33 Mansion Road,
Linthicum, Maryland 21090 (US). **BILLMAN, Brian**;
2721 Maryland Avenue, Baltimore, Maryland 21218 (US).
FINNEY, John; 17 Cliveden Place, Belgravia, London
SW1 W8LA (GB).

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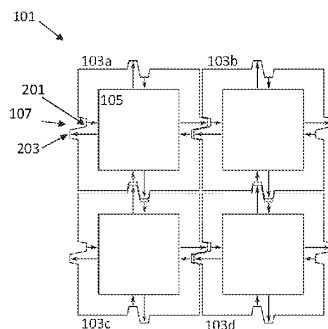
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Figure 1



(57) Abstract: A field-assembled satellite communications terminal has a plurality of discrete, modular aperture blocks. Each aperture block contains an electrically steered antenna aperture, and a plurality of interconnection ports for power and data communications between the plurality of aperture blocks. The plurality of interconnection ports are removably connectable by the end user in the field. The terminal further has a signal processing system for receiving, processing, and generating signals to and from the apertures. The aperture blocks are connected to each other in the field and self-configure to form an electrically-steered antenna.

WO 2021/198990 A1