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(71) Applicant: **COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION**
[AU/AU]; Clunies Ross St, Acton, Australian Capital Territory 2601 (AU).

(72) Inventor: **SENNERSTEN, Charlotte**; c/- Clunies Ross St, Acton, Australian Capital Territory 2601 (AU).

(74) Agent: **FB RICE PTY LTD**; Level 23, 44 Market St, Sydney, New South Wales 2000 (AU).

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(54) Title: DATA MODEL FOR MINING

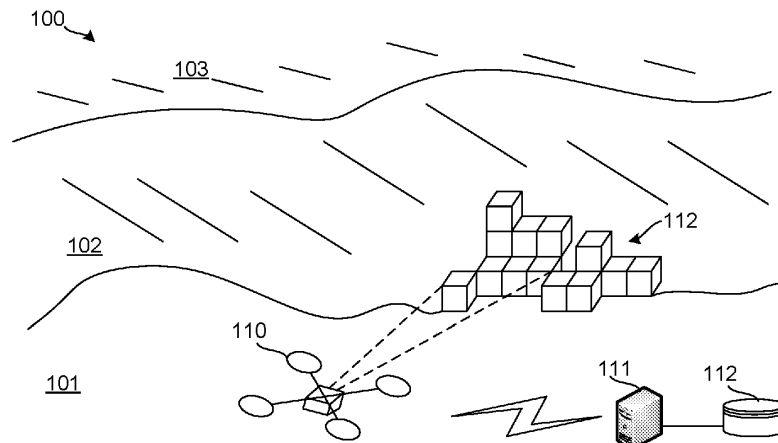


Fig. 1

(57) Abstract: This disclosure relates to managing data by an agent located within a mining operation. The data is stored as voxel data on a voxel net server. The server processes user input from a user controlling the agent within the mining operation and receives from the agent a request for voxel data associated with one or more voxels. The one or more voxels are a subset of voxels stored on the voxel net server and each of the one or more voxels is identified based on connections with voxels of previous requests. The server then queries a database representing the voxel net for the one or more voxels to retrieve associated voxel data based on the connections and returns the voxel data to the agent. Finally, the voxel data is displayed on a user device to the user.