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(71) **Applicant: QPQ LIMITED** [IE/IE]; 25 Herbert Place, Grand Canal Dock, Dublin 2, DO2 AY86 (IE).

(72) **Inventors: CHEW, Greg;** c/o 25 Herbert Place, Grand Canal Dock, Dublin 2, DO2 AY86 (IE). **RAGNOLI, Emanuele;** c/o 25 Herbert Place, Grand Canal Dock, Dublin

2, DO2 AY86 (IE). **SAGIRLAR, Gokhan**; 25 Herbert Place, Grand Canal Dock, Dubin 2, DO2 AY86 (IE).

(74) **Agent: MURGITROYD & COMPANY;** Murgitroyd (Glasgow), Murgitroyd House, 165-169 Scotland Street, Glasgow Lanarkshire G5 8PL (GB).

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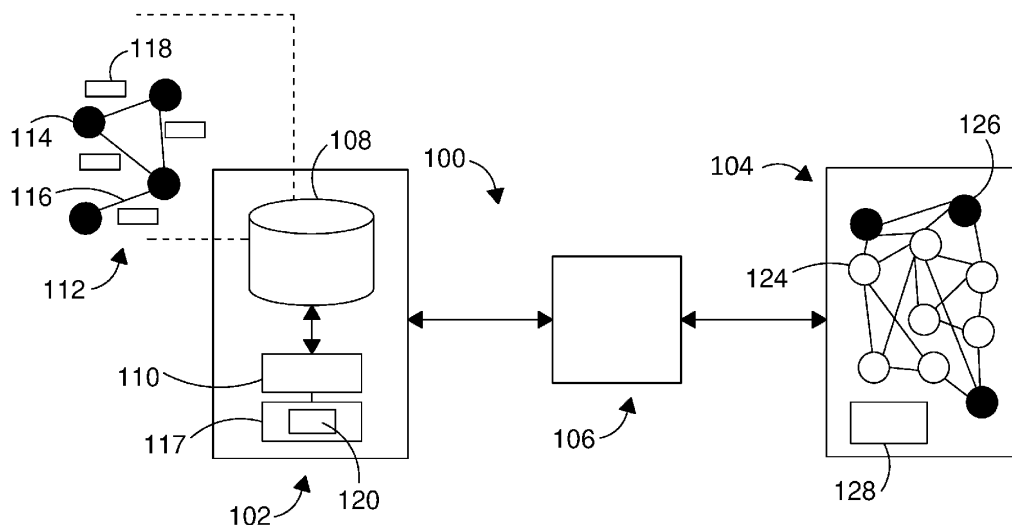


FIG. 1

(57) **Abstract:** A method and system for enhancing computational consistency between a distributed ledger and a semantic database in which a semantic database probability landscape representing expected state changes associated with the execution of a digital protocol and a distributed ledger and a distributed ledger probability landscape representing actual execution results of the digital protocol on the distributed ledger are iteratively varied to arrive at mutually consistent data and information sets. Weightings are returned to the semantic database and a revised digital protocol is returned to the distributed ledger for execution, both of which are derived from the mutually consistent data and information set. A processor and system arranged to provide communication between the distributed ledger and the semantic database are also disclosed.

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