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(54) **Title:** DELEGATION OF PROOF COMPUTATION

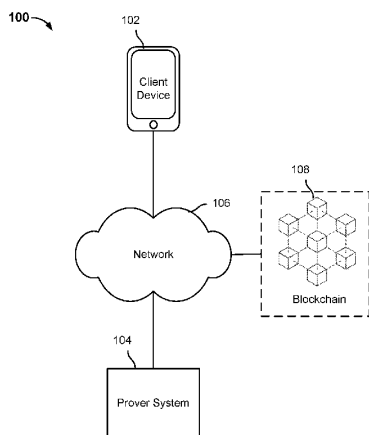


FIG. 1

(57) **Abstract:** Delegation of proof computation is disclosed, including: receiving, at a first processor, a private input data and a public input data to generate a computationally intensive proof associated with a transaction to be posted to a blockchain; and executing, at the first processor, a first proof computation based at least in part on the private input data and the public input data to generate an intermediate proof state; sending, from the first processor, the intermediate proof state to a second processor, wherein the second processor is configured to execute a second proof computation based at least in part on the intermediate proof state to generate the computationally intensive proof associated with the transaction, wherein it is computationally infeasible for the second processor to derive the private input data from the intermediate proof state.

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