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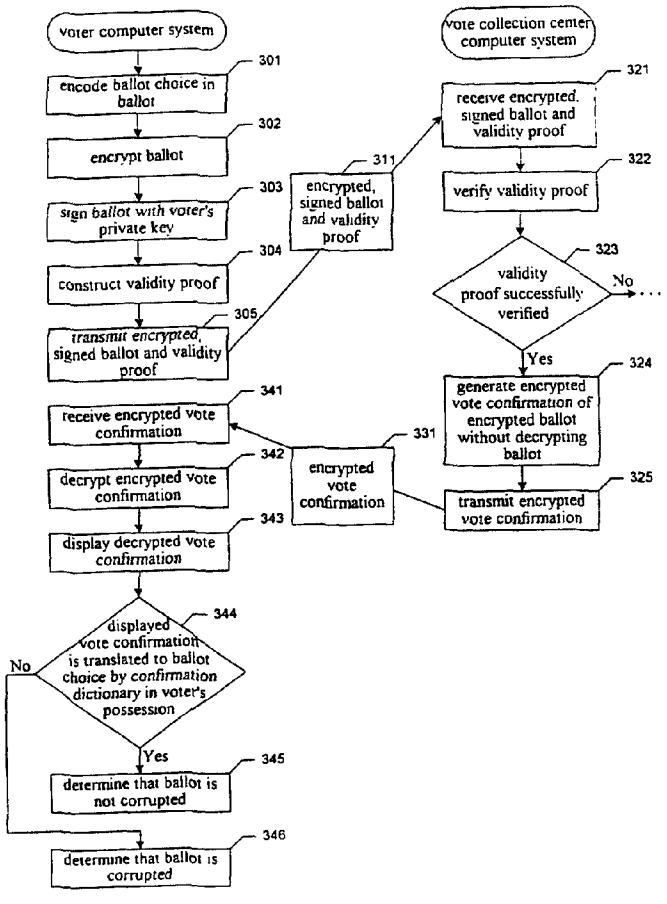
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(54) Title: DETECTING COMPROMISED BALLOTS



(57) Abstract: A facility for transmitting a ballot choice selected by a voter is described. The facility encrypts the ballot choice with a first secret known only to the client to generate a first encrypted ballot component. The facility also encrypts the ballot choice with a second secret known only to the client, the second secret chosen independently of the first secret, to generate a second encry pted ballot component. The facility then generates a proof demonstrating that the first and second encrypted ballot components are encrypted from the same ballot choice. The facility sends the first and second encrypted ballot components and the proof to a vote collection computer system.

WO 02/077754 A2

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