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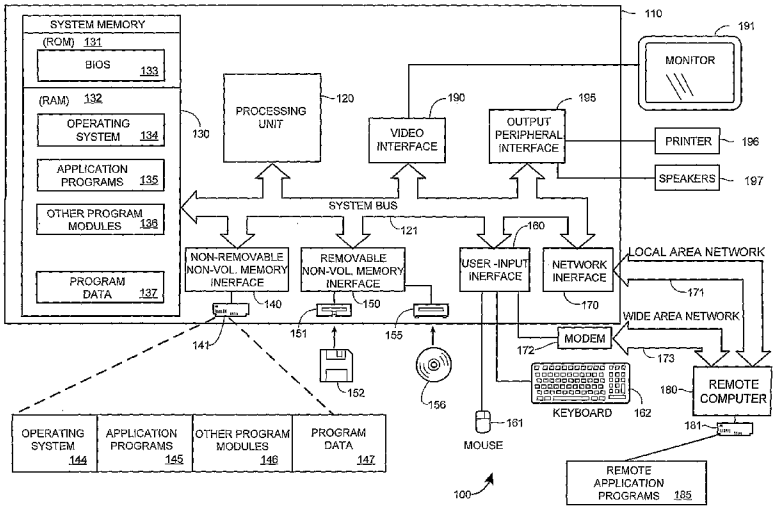
Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

[Continued on next page]

(54) **Title:** AN APPLICATION PROGRAMMING INTERFACE FOR DISCOVERING ENDPOINTS IN A SERVERLESS PEER TO PEER NETWORK



(57) **Abstract:** Methods are described that facilitate presence publication which may include authorizing publication of presence at a first endpoint, if the publication is authorized, assembling a presence data structure, and broadcasting the presence data structure from the first endpoint. The method may also include the presence structure including a friendly name, contact information, and endpoint information. The method further including contact information in at least one of XML format, vCard format, and the endpoint information obtained from a peer name resolution protocol. The method may additionally include the presence data structure encoded as at least one of a generic discovery protocol message, a simple service discovery protocol message, and associating a globally unique identifier with the discovery protocol messages. The method may include a user entity authorizing presence publication, the user entity setting at least one of a default parameter authorizing publication of all presence, some presence, or no presence.

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— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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