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Declarations under Rule 4.17:

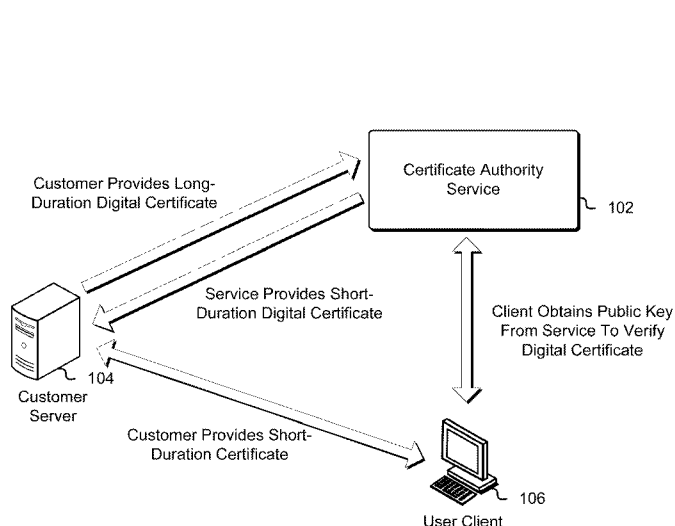
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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[Continued on next page]

(54) **Title:** SHORT-DURATION DIGITAL CERTIFICATE ISSUANCE BASED ON LONG-DURATION DIGITAL CERTIFICATE VALIDATION

**FIG. 1**

(57) **Abstract:** A certificate authority service receives a request to issue a long-duration digital certificate from an entity for validation purposes between the entity and the service. Upon issuance of the long-duration digital certificate, the entity submits a request to the service for issuance of a short-duration digital certificate that includes a shorter validity period than the long-duration digital certificate. The service may utilize the long-duration digital certificate to validate the entity and, upon validating the entity, issues the short-duration digital certificate to the entity. The entity may subsequently utilize the short-duration digital certificate to enable a user client to authenticate the entity and securely communicate with the entity.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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