

(12) **United States Patent**  
**Arnold et al.**

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(54) **DOWNLOADABLE SMART PROXIES FOR PERFORMING PROCESSING ASSOCIATED WITH A REMOTE PROCEDURE CALL IN A DISTRIBUTED SYSTEM**

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(List continued on next page.)

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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(58) **Field of Search** ..... **709/300, 303, 709/310, 315, 330**

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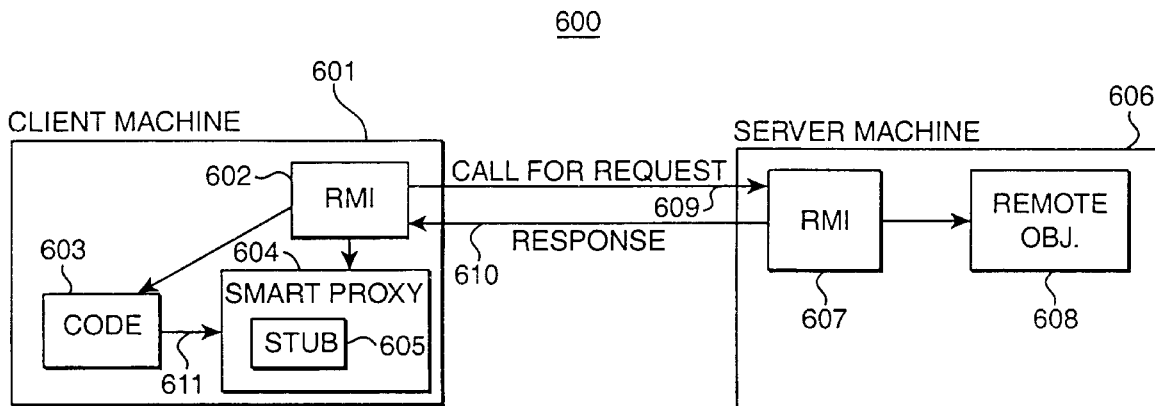
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(57) **ABSTRACT**

Use of a smart proxy as a wrapper around a stub in a distributed system. Instead of receiving a stub as a result of a remote procedure call, a caller receives a smart proxy including the stub as an embedded object. The smart proxy performs predefined processing associated with a remote procedure call, the processing possibly occurring before, during, or after a response to the call.

**18 Claims, 8 Drawing Sheets**



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