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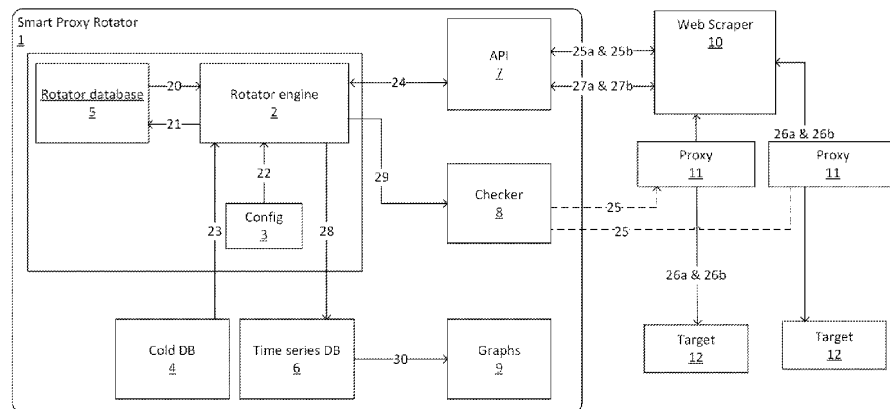
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(54) **Title:** SMART PROXY ROTATOR

Figure 1



(57) **Abstract:** The task, logic of HTTP/HTTPS session statistics interception and collection is moved to the client side instead of the proxy layer. Encrypted HTTPS tunnel is terminated at the client end, making the actual content or data in transit invisible to both proxies and the smart proxy rotator (SPR). Client's scraping software has a plug-in installed that expands its functionality. HTTP/HTTPS session quality metrics are intercepted and collected at the client side, then sent to the SPR. Proxy usage mark "can be used" is obtained from the SPR for the currently analyzed proxy, based on the results of metrics analysis.