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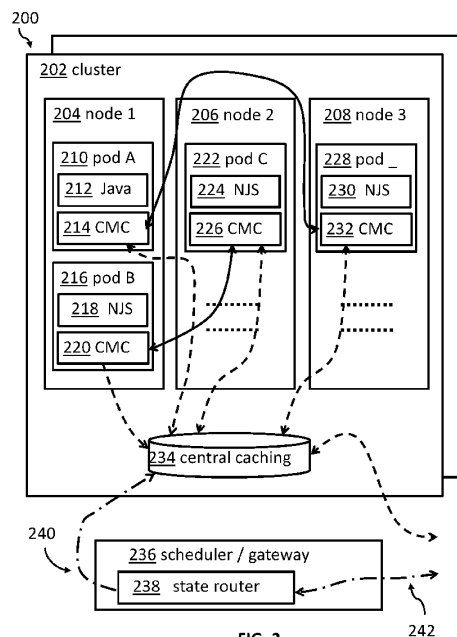
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(54) Title: MULTI-LEVEL CACHE-MESH-SYSTEM FOR MULTI-TENANT SERVERLESS ENVIRONMENTS



(57) Abstract: A method, computer system, and a computer program product for execution of a stateless service on a node (204,206,208) in a workload execution environment is provided. The method may include defining for each node (204, 206, 208) a workload container (210, 216, 222, 228) including a cache component (214, 220, 226, 232) of a cache-mesh. The method may include, upon receiving a state request from a stateless requesting service from one of the cache components (214, 220, 226, 232) of the cache-mesh in an execution container(210, 216, 222, 228), determining whether a requested state is present in the cache component (214, 220, 226, 232) of a related execution container(210, 216, 222, 228). The method may include, upon a cache miss, broadcasting the state request to other cache components (214, 220, 226, 232) of the cache-mesh, determining, by the other cache components (214, 220, 226, 232), whether the requested state is present in respective caches, and upon any cache component (214, 220, 226, 232) identifying the requested state,

[Continued on next page]

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