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(54) **COLLECTIVE SCALING OF APPLICATIONS**

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(71) Applicant: **VMware, Inc.**, Palo Alto, CA (US)

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(72) Inventors: **Sudipta Biswas**, Bangalore (IN);
Monotosh Das, Bangalore (IN);
Hemant Kumar Shaw, Bangalore (IN);
Shubham Chauhan, Faridabad (IN)

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ABSTRACT

Some embodiments provide a method for scaling a service chain that includes multiple services, each of which is provided by one or more instances of the service. The method identifies that a first service in the service chain has received a number of requests. For each service in the service chain, the method (i) identifies a scaling factor that estimates a portion of requests received at the first service that will be subsequently received at the service and (ii) deploys a number of additional instances of the service based on the identified scaling factor for the service and the number of requests received at the first service.

