



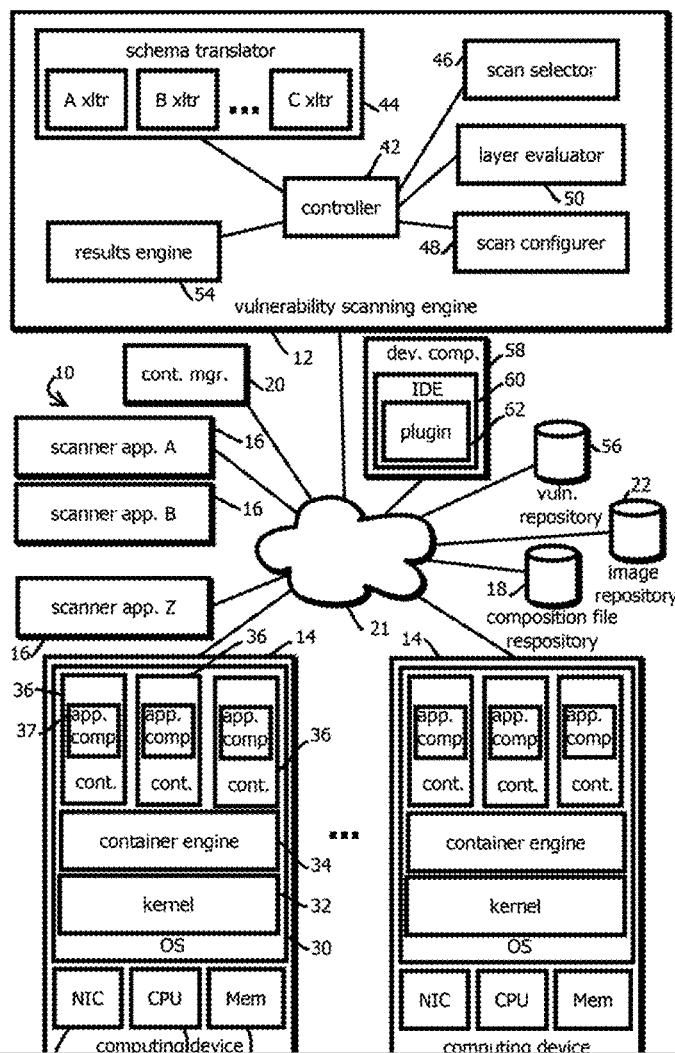
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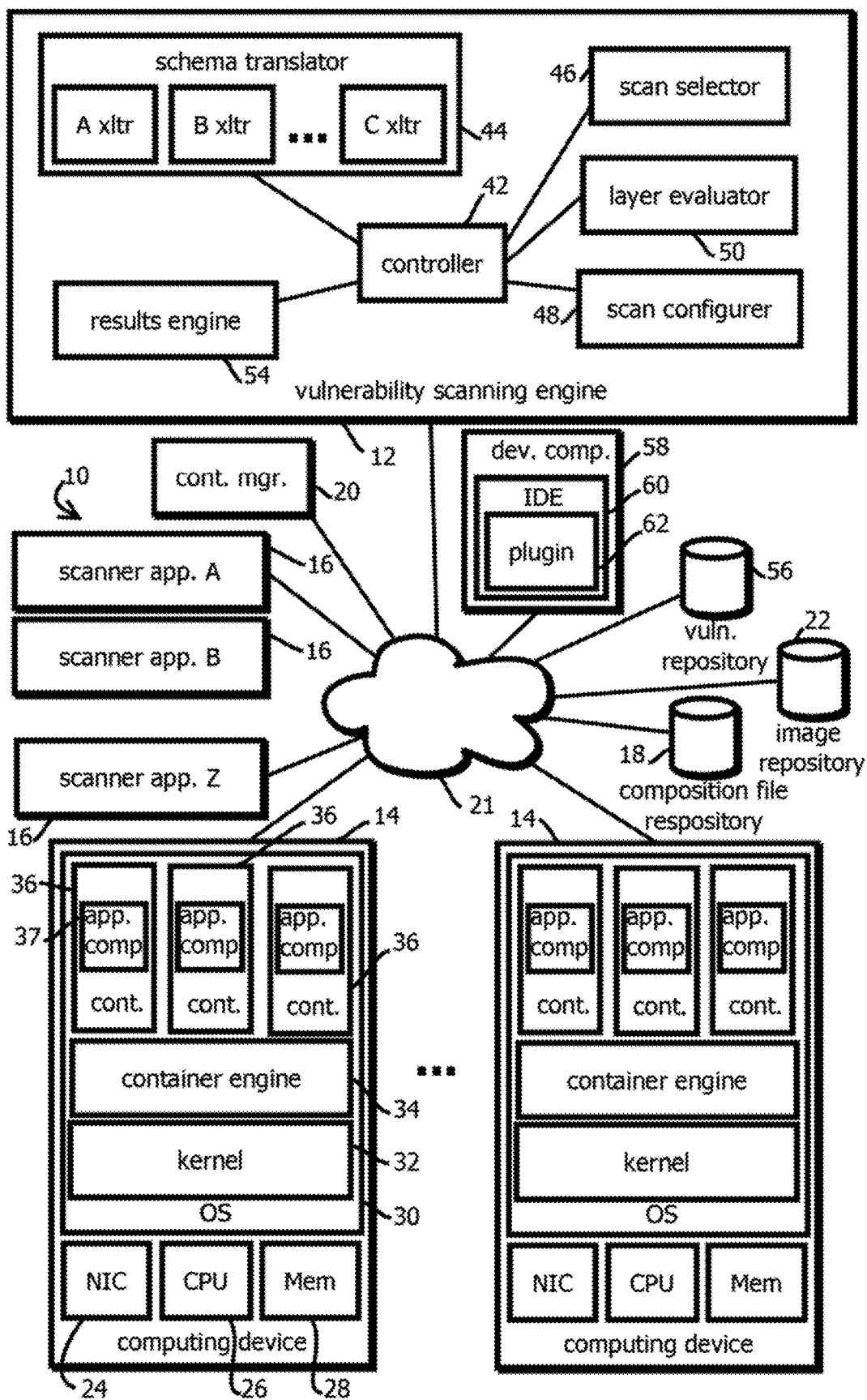
(19) **United States**(12) **Patent Application Publication**
Hufsmith et al.(10) **Pub. No.: US 2020/0097662 A1**(43) **Pub. Date: Mar. 26, 2020**(54) **COMBINED THREAT SCORE FOR
CONTAINER IMAGES**(71) Applicant: **CA, Inc.**, Islandia, NY (US)(72) Inventors: **Brian Hufsmith**, Islandia, NY (US);
William Mcallister, Islandia, NY (US);
Mitchell Engel, Islandia, NY (US)(21) Appl. No.: **16/146,717**(22) Filed: **Sep. 28, 2018****Related U.S. Application Data**(60) Provisional application No. 62/736,162, filed on Sep.
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(57)

ABSTRACT

Provided is a process for determining threat scores for container images or distributed applications that consider the results of a multitude of different scanners and other factors such as context information which may include information about a given execution environment for the container image. Scanner results, or scanner properties, are determined for a container image or container images in a multi-container distributed application by various vulnerability scanners. The scanner properties determined by each vulnerability scanner are adjusted responsive to properties of the context and normalized to determine component threat scores for the container image. Then the component threat scores for the container image are combined to generate a combined threat score for the container image within the context of the execution environment.





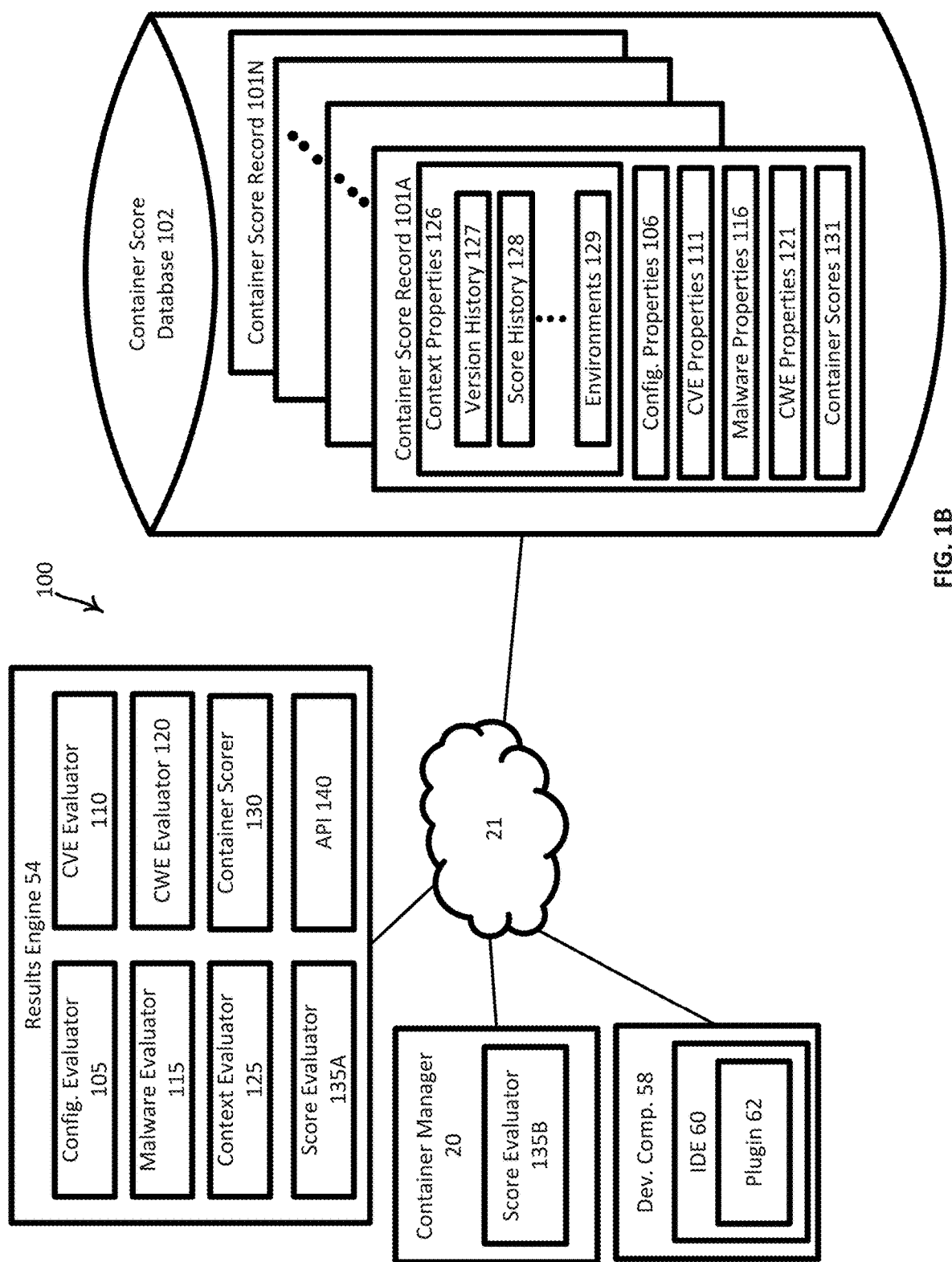


FIG. 1B

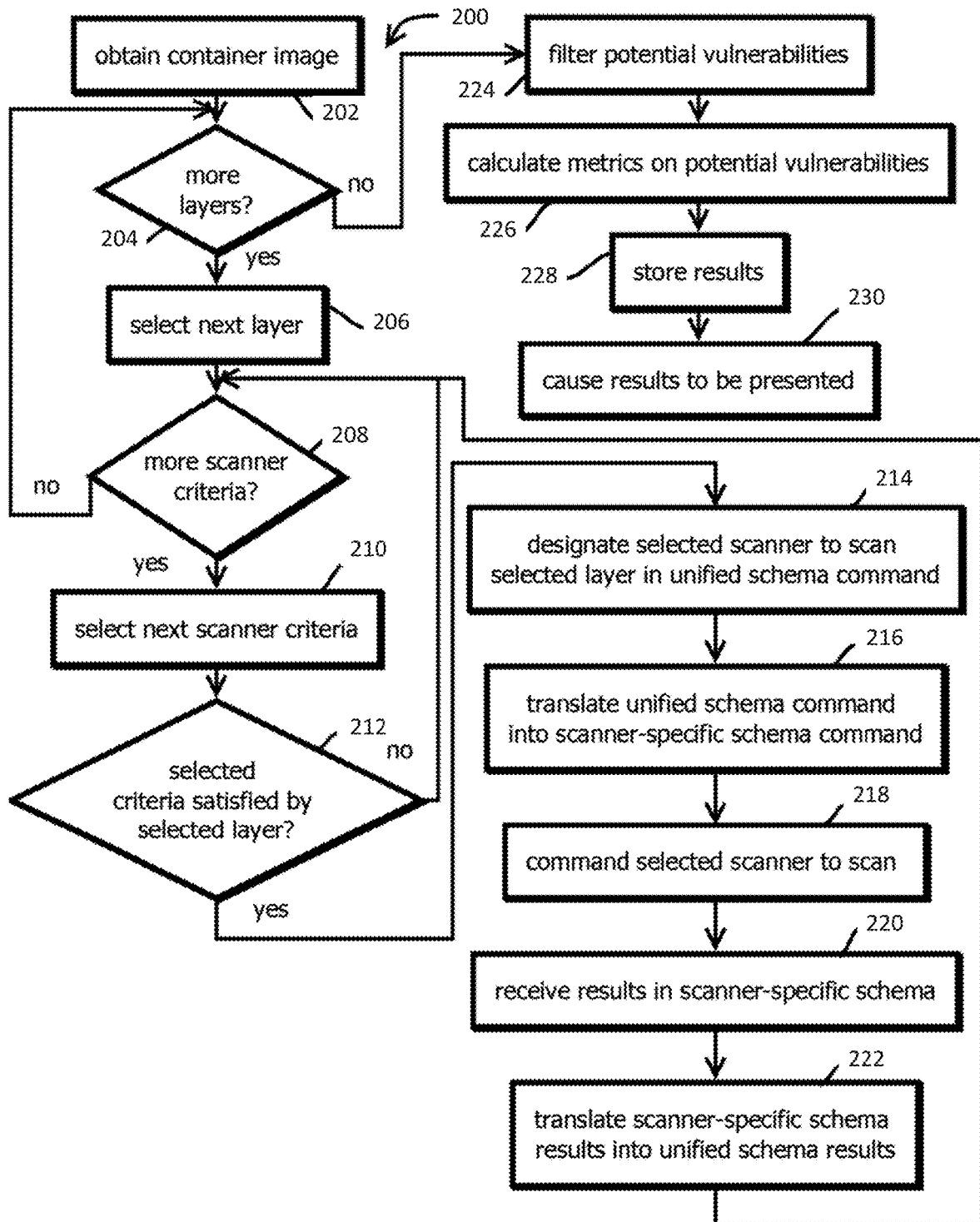
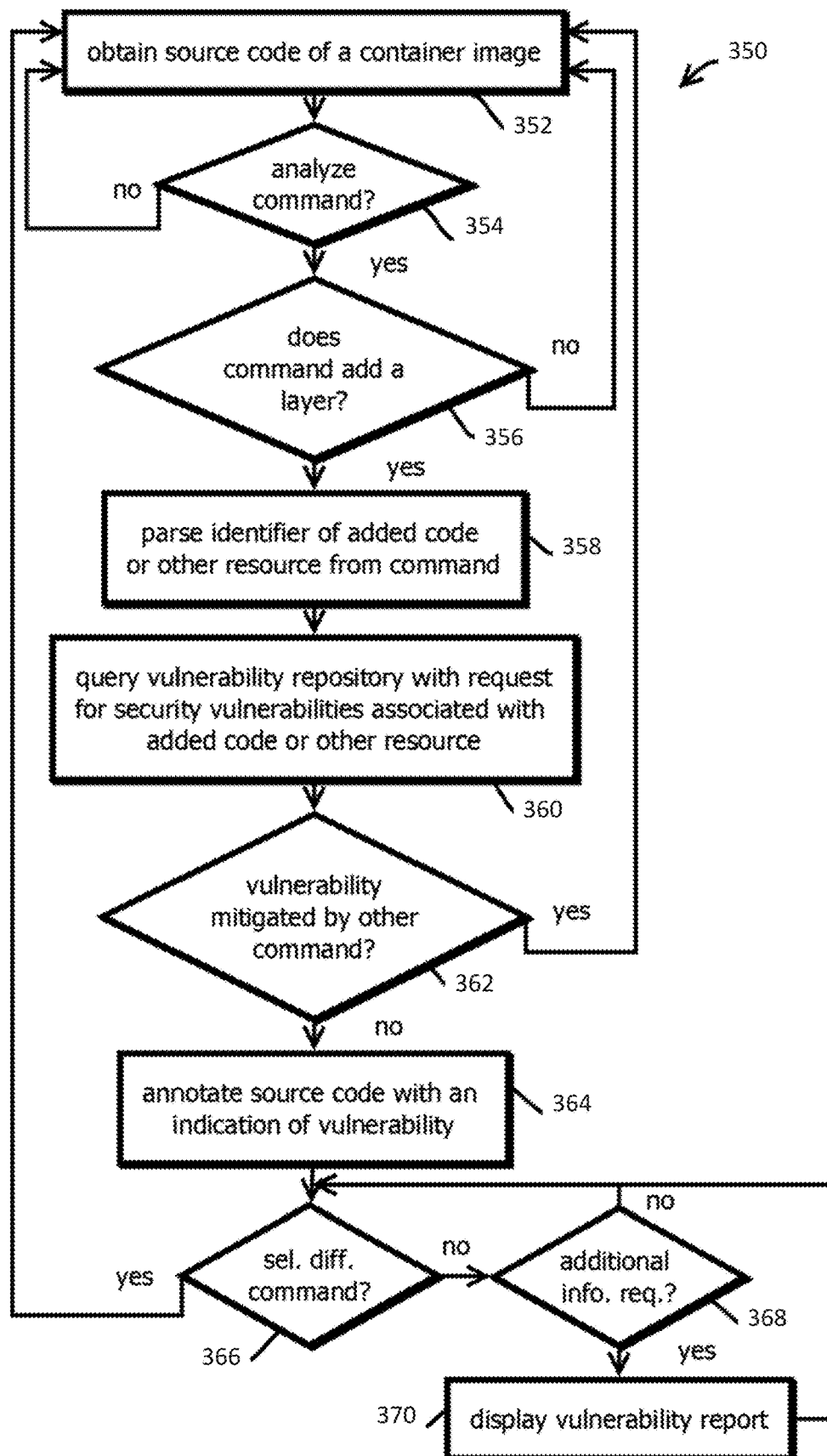


FIG. 2



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