

ABSTRACT

Methods and systems for determining an affiliation of a given software with target software are provided. The method comprises: receiving a software source code of the given software; executing the software source code in an isolated program environment to identify at least one outgoing request of the given software, the at least one outgoing request being indicative of at least one respective function of the software source code; generating, based on the at least one outgoing request, a respective function identifier associated with the at least one respective function; applying at least one classifier to the respective function identifier to determine a likelihood parameter indicative of the given software being affiliated to a respective target software; in response to the likelihood parameter being equal to or greater than a predetermined likelihood parameter threshold: identifying the given software as being affiliated to the respective target software.

Fig. 2E