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(54) Title of the invention : A SELF-HEALING METHOD OF AN OBJECT IN A SCRIPT AND A SYSTEM THEREOF

<p>(51) International classification :G06F0011360000, H04M0003240000, G06F0040247000, G06F0011070000, G06K0009620000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)UNIVERSITY OF PETROLEUM AND ENERGY STUDIES, DEHRADUN Address of Applicant :Village Bidholi, via Prem Nagar, Dehradun, Uttarakhand, 248007, India ----- Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)ROHIT TANWAR Address of Applicant :School of Computer Science, University of Petroleum Studies, Bidholi via Premnagar, Dehradun, Uttarakhand, INDIA. PIN-248007 ----- 2)RAJESH KUMAR POPLI Address of Applicant :Associate Director, Nagarro software Pvt. Ltd. 13, Subedar Major Laxmi Chand Road, Udyog Vihar, Sector 18, Gurugram 122015, India ----- 3)RASHMI POPLI Address of Applicant :Assistant Professor, Department of Computer Engineering, J.C Bose University of Science and Technology, YMCA, Faridabad, Haryana, India ----- --</p>
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(57) Abstract :

The present disclosure relates to a system (100) and a self-healing method (400) of an object in a script under test. The system (100) comprises a self-healing engine (104), a multi-locator database (202), a relationship database (204), and a synonym database (206). The self-healing engine (104) is configured to work in parallel with a test automation controller (102). A newly developed software is tested on the test automation controller (102) on a user interface (UI) (10). When the test automation controller (102) detects a failed object, the self-healing engine (104) replaces the failed object with a new locator or a new object for the test of the script to be successful. The method (400) is an automatic method and is performed without manual intervention.

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