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ACTION

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(54) Title: REPORTER SYSTEM FOR PLANTS

(57) Abstract: A reporter system capable of giving rise to a directly monitorable phenotypic trait in a plant, in the presence of an outer stimulus such as for example a pollutant, is provided. The system optionally also has the ability to remediate soil. Genetically modified plants comprising said reporter system and optionally the remediation capability, a process for detection of soil pollution and optionally for bioremediating soil by employing said genetically modified plants, as well as the use of genetically modified plants for monitoring soil pollution and optionally for bioremediating soil are also provided.