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[Continued on next page]

(54) **Title:** COMPOSITION AND METHOD FOR IMAGING STEM CELLS

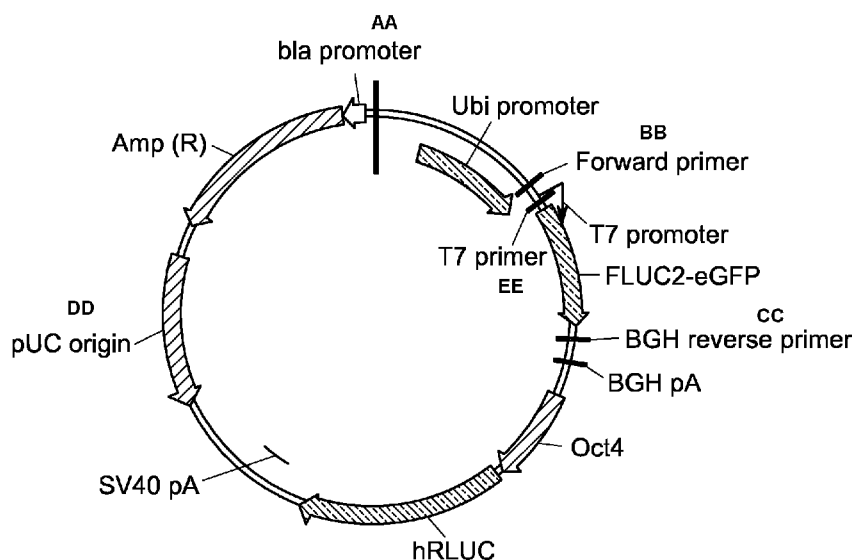


FIG. 1

(57) **Abstract:** An expression vector, comprising a first reporter nucleic acid sequence operably linked to a first expression control sequence comprising a promoter; and a second reporter nucleic acid sequence operably linked to a second expression control sequence that comprises a response element that is activated or inactivated as one or more of the cells differentiate or dedifferentiate. Methods and kits for imaging and monitoring stem cells comprising the expression vector are also provided.



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