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(54) Title: MARKING OF MATERIAL, MARKED MATERIAL AND PROCESS OF AUTHENTICATION OR DILUTION DE-
TERMINATION

(57) Abstract: Method for marking a material, comprising including at least two components having different fluorescent character-
istics as a blend of components in the material, the at least two components not being already associated with the material and at
least one of the at least two different components having a fluorescence that varies in spectral position and/or intensity according to
variation of pH, the at least two components being included in the material in an amount effective to be qualitatively and/or quantita-
tively determined. Also, provided are marked materials and methods of authenticating and preventing counterfeiting and dilution.



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