Title: PLASTIC PACKAGING HAVING A MARKER MATERIAL AND METHOD OF AUTHENTICATING SAID PACKAGING

Abstract: At least a component of a package includes at least a first plastic material (e.g., high density polyethylene HDPE, polypropylene PP) having a first electromagnetic energy absorption spectrum and, dispersed in said first plastic material, a second plastic material (e.g., ethylene vinyl acetate EVA) acting as a visually non-detectable marker and having a second electromagnetic energy absorption spectrum. In order to authenticate the package, electromagnetic energy, preferably infrared energy, comprising at least one wavelength absorbed by said second plastic material is directed onto said package to detect presence of said second plastic material.
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.