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(54) Title: SYSTEM AND METHOD FOR MANAGING RAW MATERIALS OF INDUSTRIAL IMPORTANCE

(57) Abstract: Method and system are presented for managing material recycling process. Plastic and rubber material condition data is provided being indicative, for each of one or more plastic materials in a product, of preceding use of said plastic material in association with one or more plastic product types. The plastic material condition data is analyzed, and sorting data is generated for each of said one or more plastic materials. Based on the sorting data, marking data is generated for at least one of said one or more plastic materials, the marking data including at least one marker to be introduced into each of said one or more plastic materials to provide electromagnetic radiation signal for managing a recycling process of the plastic material. At least one of the plastic material condition data and the sorting data is analyzed, and certificate data is generated and stored characterizing a current condition of said plastic material to be sorted.