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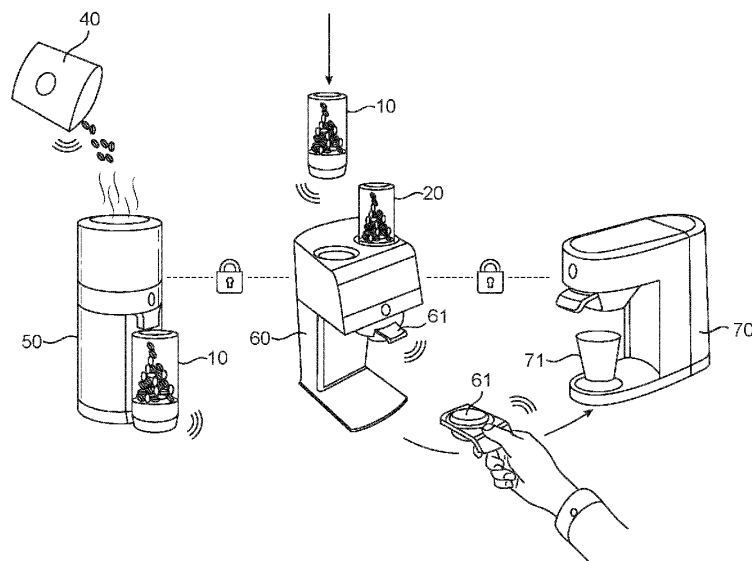


FIG. 4

(57) Abstract: The invention relates to a grinding and extraction apparatus for roasted coffee beans comprising a grinding device (60) and an associated extraction device (70); the grinding device (60) comprising one or more housings for receiving one or more beans containers (10, 20) with roasted coffee beans of the same or different types; the grinding device (60) comprising a reader (62) to obtain the information of the product parameters of the roasted coffee beans of the one or more beans containers (10, 20); the grinding device (60) further comprising a control unit configured to adapt the grinding size and the quantity of roasted coffee beans for obtaining a certain coffee blend from each beans container to be grinded according to these product parameters and/or according to a recipes database (64) comprising the beverage information associated to the beverage to be prepared; the grinding device (60) further comprising an encoder (62) to encode the beverage information on programmable identification means (65) on a product holder (61) in the grinding

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- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
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device (60), to where the grinded coffee is sent; the extraction device (70) being configured for receiving the product holder (61) and comprising reading means (72) to identify the beverage information in the said product holder identification means (65), the extraction device (70) further comprising a control unit to extract the beverage according to the beverage information retrieved and/or from the beverage information retrieved from a beverage database in this control unit. Moreover, the invention relates to a method for grinding roasted coffee beans and preparing a beverage from them using a grinding and extraction apparatus as the one described, and also refers to the use of a grinding and extraction apparatus as the one described for delivering a certain beverage from roasted coffee beans.