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(54) Title: METHOD TO ROAST COFFEE BEANS

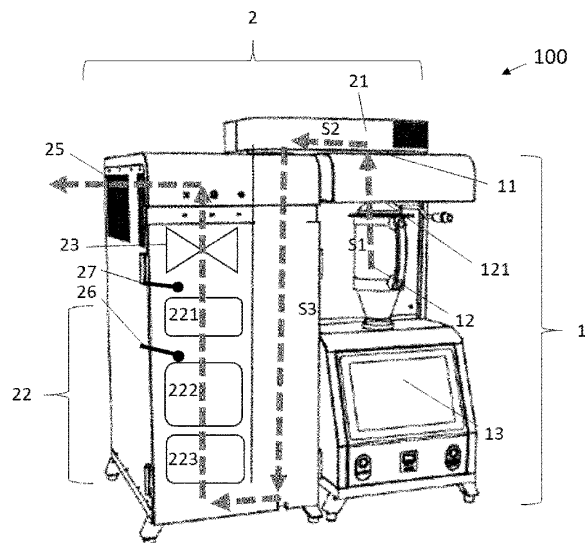


FIGURE 1

(57) Abstract: The invention concerns a method to roast coffee beans in a roasting system (10), said system comprising : - a roasting apparatus (2), and - a smoke treating unit (3) configured to treat the smoke produced by the roasting apparatus, said smoke treating unit comprising at least one filtering device (221, 222, 223) configured for filtering particulate matters or VOCs, said filtering device being able to retain a pre-determined maximal amount of particulate matters or VOCs, wherein at each roasting operation implemented in the roasting apparatus, the method comprises the steps of : - obtaining the quantity of beans and the level of roasting applied to the beans, - determining the amount of or VOCs retained in the filtering device, - determining the global amount of particular matters or VOCs retained in the filtering device during all the roasting operations implemented since the last cleaning operation of the filtering device, - estimating the number of roasting operations still able to be implemented before said global amount is equal to the pre-determined

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maximal amount of particulate matters or VOCs able to be retained by the filtering device.