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(71) Applicant: **SOCIÉTÉ DES PRODUITS NESTLÉ S.A.**  
[CH/CH]; Avenue Nestlé 55, 1800 VEVEY (CH).

(72) Inventors: **MOREND, Joël**; Rte de Villarimboud 17, 1553 Châtonnay (CH). **DUBIEF, Flavien, Florent**; Chemin de la Vidéride 4A, 1424 CHAMPAGNE (CH). **DEGREEF, Thomas, Rudi, S.**; Wilgenbaan 69, 1850 Grimbergen (BE). **CELIS, Michiel, Alexander**; Henri Dunantlaan 20, 9000 GHENT (BE). **LEMMENS, Rien, Denise, M.**; Provinciesteenweg 437, 2530 BOECHOUT Antwerp (BE). **BAEKE-LANDT, Maxime**; Hector Van Wittenberghestraat 49, 9000 Gent (BE).

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(74) Agent: **DUCREUX, Marie**; Société des Produits Nestlé S.A., Avenue Nestlé 55, 1800 VEVEY (CH).

(54) Title: METHOD TO ROAST COFFEE BEANS

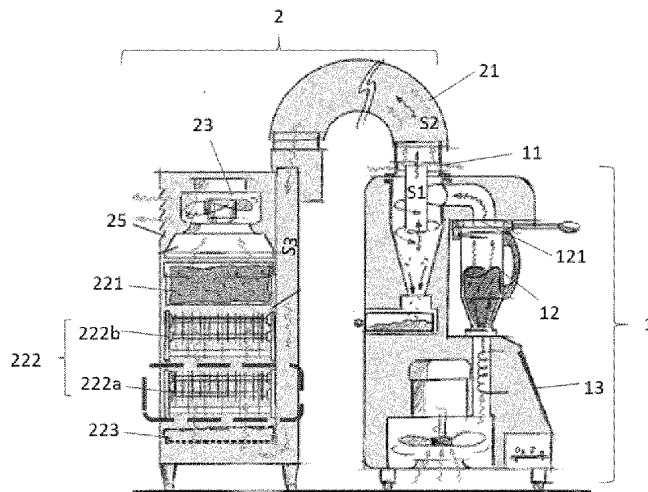


FIGURE 1

(57) Abstract: The invention concerns a method to roast coffee beans in a roasting system, said system comprising : - a roasting apparatus (1), and - a smoke treating unit (2) configured to treat the smoke produced by the roasting apparatus, said smoke treating unit comprising at least an electrostatic precipitator (22), said electrostatic precipitator comprising at least one cell, said cell comprising ionization wires, collecting electrodes and repelling electrodes and said ionization wires being supplied with an electrical power in order to apply a high voltage V to the ionization wires, wherein, during each roasting operation implemented in the roasting apparatus, the method comprises the steps of : - monitoring the voltage V at the ionization wires and/or the electrodes along the time of the roasting operation, - if the monitored voltage becomes inferior to a pre-determined voltage threshold V0 during a period of time of the roasting operation, and - if said period of time, where the monitored voltage V is inferior to said lower voltage threshold V0 is superior to a pre-

[Continued on next page]

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determined time threshold  $\Delta t$ , then displaying a cleaning alarm.