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(57) Abstract :

ABSTRACT A foot cleaning apparatus (100) is disclosed, comprising a tub (102); a water inlet pipe (104) associated with an inlet valve (106) for controlling the flow of water into said tub (102); and a plurality of foot pads. Each foot pad includes a pressure sensor (110) for detecting pressure exerted by a user's foot, a series of rotors (112), a series of rollers (114), a first series of brushes (116) disposed on a perimeter of the foot pad, and a second series of brushes (120) positioned in between said series of rotors (112) or said series of rollers (114). The first series of brushes (116) is connected to a first series of actuators (118) to agitate said first series of brushes (116), while the second series of brushes (120) is connected to a second series of actuators (122) for agitation purposes. An outlet pipe, associated with a discharge valve (126), controls the discharge of water from said tub (102). A control unit (128) is provided for activating said inlet valve (106) upon detection of pressure on any foot pad to fill the tub (102) with water and deactivating said inlet valve (106) after a predetermined time. Said control unit (128) also activates said series of rotors (112), said series of rollers (114), said first series of actuators (118), and said second series of actuators (122) on each foot pad where pressure is detected, and opens said discharge valve (126) to allow water discharge.

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