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(54) Title: METHOD AND SYSTEM FOR PUSHING AND MOVING SOLID WASTE

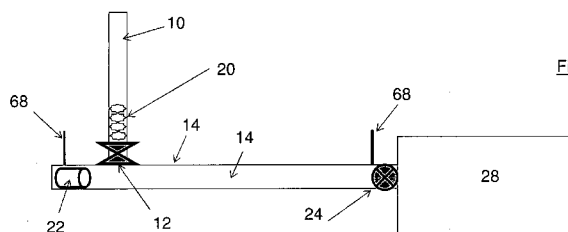


Figure 1

(57) Abstract: The present invention relates to a method and system of using at least one moving means (22) for the pushing and moving solid waste (20) from at least one holding area (10) within buildings or outdoors through a waste transport conduit (14) to at least one collection station (28) or at least one collection conduit (26). The movement of the at least one moving means (22) is driven by generating differential pressure across the at least one moving means (22) to push and move the solid waste (20) towards the at least one collection station (28) or at least one collection conduit (26). The differential pressure creates systematic directional air movement inside the waste transport conduit (14) to move the at least one moving means (22) to move and push the solid waste (20) to the at least one collection station (28) or at least one collection conduit (26). The differential pressure is delivered by controlling a system of valves (30) that is connected to at least one higher pressure air conduit (32) and at least one lower pressure air conduit (34) or removes air to or from the waste transport conduit respectively. Both the at least one higher pressure air conduit (32) and at least one lower pressure air conduit (34) is connected to air handling apparatus.