

ABSTRACT

VENDING MACHINE HAVING INTEGRATED ORANGE JUICE SQUEEZING, POURING, BOTTLING, AND MEDIA

5 A vending machine having integrated orange juice squeezing, filling, bottling and media,
including a box (1), an opening-closing door (2), an adjustable supporting base (3), a rotary
material basket (4), a transportation guide apparatus (5), a juicer (6), an electric control valve
(7), a filling container (8), a waste residue guide apparatus (9), a waste residue collection
10 bucket (10), a high-pressure air pump (11), an air storage tank (12), a bottle (13), a bottle
container (14), a bottle transportation mechanism (15), a bottle guide apparatus (16), a
bottling transportation production line (17), a rotary product-output apparatus (18), a spray
water pump (19), a spray control electromagnetic valve (20), a finished product aisle (21), a
spray water storage tank (22), a waste liquid recovery water tank (23), a refrigeration
insulation system (24), a stable voltage power supply (25), a system control apparatus (26), an
15 LED light (27) and an ultraviolet germicidal light (28). The vending machine provides the
consumer with two options including purchasing freshly squeezed orange juice and
purchasing finished products; during waiting of the purchasing, the consumer can watch the
whole set of process flow in the vending machine from squeezing of the fresh orange to filling,
bottling and final shipment of the product while watching media advertisements played on a
20 transparent display screen.

FIG. 1