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Title: HIGH-RISE BUILDING AUTOMATIC **WATER SAVING SYSTEM** WITHOUT ENERGY CONSUMPTION

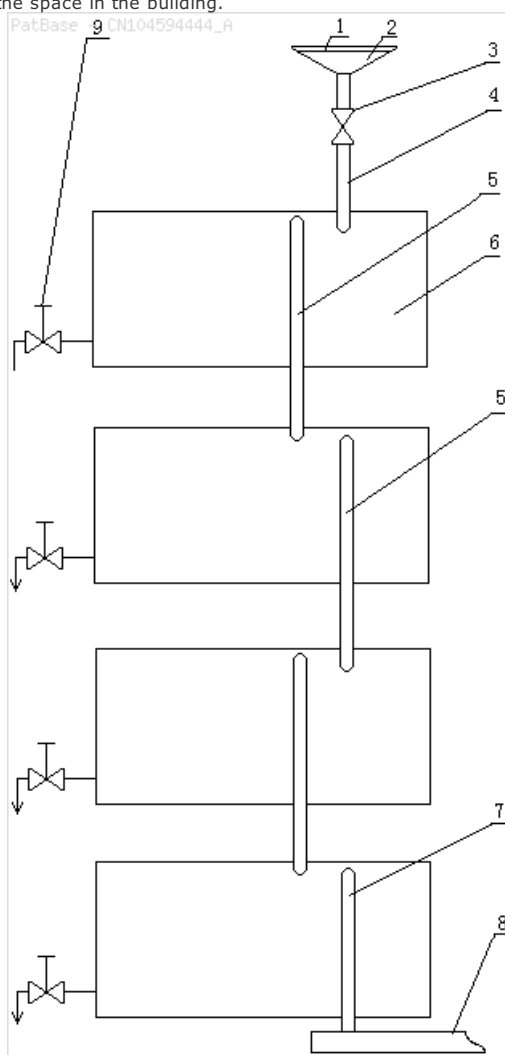
Abstract: Source: CN104594444A The invention relates to a high-rise building automatic **water saving system** without energy consumption. According to the technical scheme, rainwater is drained into a house on the highest floor through a rainwater collection port on the top of a high-rise building and a rainwater drainage pipe; a nonbearing wall of a bathroom in the house is replaced by a hollow water storage wall made of engineering plastics or metal and other materials for storing the rainwater; the rainwater is used for flushing a toilet and cleaning mops through a water outlet pipe valve arranged at the lower end of the hollow water storage wall; an overflowing pipe orifice on the upper floor and an overflowing pipe orifice on the lower floor are connected through an overflow pipe; when the hollow water storage wall on the upper floor is filled with the rainwater, the rainwater will automatically flow to the hollow water storage wall on the lower floor through the overflow pipe; the process is repeated on different floors. A bottom-layer overflow pipe at the lowest floor is directly connected with a blowdown pipe. The hollow water storage walls can be formed in a bricked mode or a molding casting mode and can be made of PVC, engineering plastics and other materials. The high-rise building automatic **water saving system** without energy consumption has the advantages of being free of power consumption, simple in pipeline arrangement, capable of automatically storing water and preventing overflowing, obvious in water saving effect, beneficial to industrial production and convenient to construct, and a water saving device does not occupy the space in the building.

Classifications:

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E03B7/07 (Advanced/Invention)

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Legal status (INPADOC)

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Patent	Date recorded	Event group	Code	Event	Details
CN104594444 A	20150506	LSPB	+	published / reissued	
CN104594444 A	20150506	LSPB	+C06	PUBLICATION	
CN104594444 A	20161012	LSDW	-C02	DEEMED WITHDRAWAL OF PATENT	

