

DESIGN OF DETACHABLE DRUM FOR A FRONT LOAD WASHER

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Abstract

Currently, two main types of washing machines exist in the market. Depending on how cloths are placed in and out the washer, they are classified into front-load washers and top-load washers.

Both of them present the same inconvenient and uncomfortable practice when collecting the laundry: clothes that remain at the surface of the spinning basket are difficult to reach, therefore imposing great strain into the user's back and neck area, especially in the case of front-load washers.

The aim of this work is to present the design of a detachable opening system for front-load washing machines. This design is unique since it allows the inner drum to be horizontally drawn from the whole machine in order to remove the cloths after the washing process.

This system introduces a higher efficient and comfortable procedure than current systems use. It allows the use of washers effortlessly, being especially useful for people with any kind of physical disabilities. Loading and unloading the laundry will not require the user's bending over the machine anymore.

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