

THE THRONE - DISPOSABLE POTTY FOR CHILDREN

As a Zapa Sp. z o.o we would like to introduce you the disposable potty for children called Throne, designed and reported to the Patent Office on 13/02/2012 of the year.

The invention is supposed to serve the hygienic input and short-term storage of faeces, when children are unable to use the lavatory, e.g. on playgrounds, in public places, when the lavatory is unavailable, dirty or during travel in means of transport

In comparison with a traditional potty, its advantage is a small size before use, intuitive, simple way of unfolding and folding after use.

The disposable character of the potty does not impose the necessity to carry faeces in it, to clean the appliance, there is no unpleasant smell or possibility for excrements to get outside, as they are utilized with the whole potty.

The potential clients are going to be people who:

- have children in the age between 1 and 5 years, especially girls
(they urinate in a sitting position)
- live in big cities
- take walks with their children (parks, exhibitions, sightseeing, playgrounds)
- do shopping with their children in supermarkets, outdoor markets, in small shops
- travel with their children (trains, trams, buses, petrol stations, railway stations)
- spend time with their children on the beach, near water basins (rivers, lakes).

In the aforementioned places, the lavatory is often remote, occupied, dirty or unavailable to the client.

Every time a parent goes out with his or her child, he or she can use the disposable "Tron". Thanks to its construction, lightness and easiness of use, it is able to solve the problem of every parent who is out with a child.

TRON - A DETAILED DESCRIPTION OF THE PRODUCT.



The potty is light, small, equipped with an absorptive element: super absorbent inserts GelMax, prized because of its remarkable ability to absorb liquids and odours, preventing the content from moving inside and being visible outside. The size of the insert used in our potty is able to absorb within 30 seconds of 250 ml of liquid. The design of a closing element enables easy folding of the used potty. Additionally, the mechanism does not allow any liquids to get out of the potty. Thanks to this, a used “Tron” may be carried to the place of disposal without any worries of getting dirty. Besides, such construction prevents unpleasant smells from spreading.

The proposed solution is innovative because of the usefulness and easiness of the potty usage. Admittedly, previous potties fulfil their basic function, which is the collection and storage of excrements. With regard to their constructional limitations and used materials, they are not the appliances that are easy to use outdoors. The cause of the elaboration of the concept of our potty was the necessity to create a potty that can be used almost anywhere and then easily disposed. Thanks to this, there is no necessity to carry typical potty constructions with the content to the closest lavatory. Besides, there is no need to clean after use, as is required in case of traditional potties and My Carry Potty.

Our potty, when folded (approximate dimensions :16 cm-length,10 cm – width at the bottom and about 3cm- thickness), is easy to put into a handbag or even into a pocket, which makes it very practical. In comparison to the existing solutions, our potty can be used with no need to perform any complicated activities in order to fold or unfold it. It is also more hygienic than the previous solutions.

This solution helps save time that parents spend on finding places where their children could defecate, e.g. waiting in the queues to lavatory in shopping centers,

next to playgrounds, or finding proper places while travelling by car. The limitation of stress connected with the necessity to find a proper place for a child to defecate in a short period of time is also very important. Despite of the fact that no detailed psychological research was conducted in this matter, it seems to be intuitive that the parent is less stressed when a place where his or her child could defecate can be carried in the bag or pocket and is ready to use in just a few seconds.

Another matter is the fact that such a potty enables parents to get rid of the excrements that are often left in improper places. An example of that may be leaving excrements on lawns, next to playgrounds or in parks. Another common situation in such places is defecation of children (under the do called “tree”) with help and encouragement of parents. Examples of such behaviour may be limited by the usage of our invention, because as it seems, generally they are not caused by parents’ malice, but by an urgent need to find a place for defecation. Therefore, the invention helps popularize the idea of taking care of the natural environment among parents, and most importantly among the youngest children. In the future, it may have an influence in the increase of the level of cleanliness in public places.

Disposable potty has undergone an endurance test conducted by Cracow University of Technology in the Civil Engineering Faculty of the Institute of Building Materials and Constructions. Withstands pressure about 30 kg without deformation of the product and about 60 kg, where the strain. In the attachment you can find the report from this test.

To check the product carried out a poll among a select group of parents, with one or several small children. As much as 32 parents and 57 children took part in the market survey.

In order to meet the expectations of our clients, the product was modified after the market survey. Additional handles for easier and more convenient transport of the potty were introduced. They may be also used as an additional locking for the potty after usage.

Closing was changed to a more convenient and more available one and input on an absorbent inserts GelMax.

The above mentioned questionnaire (see appendix 2) has shown that this product will enjoy great interest and fill in the market gap in the world of hygienic devices for children.

Good structural solution, easiness and convenience of use of the discussed product resulted in the fact that the majority of respondents really liked this product and await its availability on the market.

WE INVITE YOU TO COOPERATION WITH US

ZAPA SP. Z O.O.

www.zapa.it