

Blueprint iDxPar

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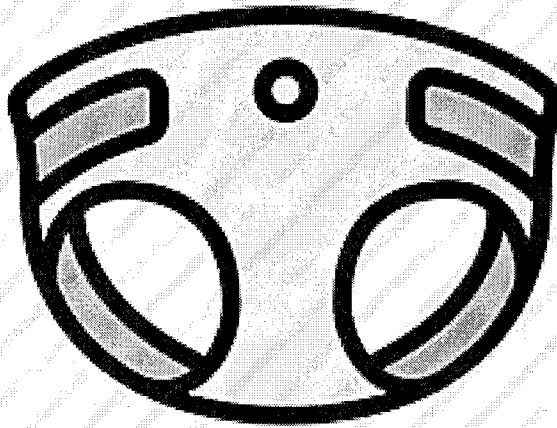
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Company logo



iDxPar sdn.bhd



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1 Executive Summary

iDxPar is a device that can be used to detect stool in disposable diapers. This device will alert parents about the stool content thus will ensure that the rashes among babies in this country can be decreased resulting in increasing of healthy babies. The target market for this device is for the Malaysian parents with below than 3 years old kids.

2 Product description

iDxPar is one of an innovation device that can help parents to overcome the problems in terms of their pampers condition among their babies. It is focusing on giving better and more accurate information about the condition by notifying the fullness of the pampers, giving parents the opportunity to change baby diapers at the right time, and to find out whether the baby has urinated. *iDxPar* is a very special device because it has various useful functions such as heat detector, timer, weight and colours indicator. This tool is equipped with a QR barcode that will allow the diapers to be scanned through specified applications. This device is synchronised with a free downloadable application on a smart phone where it is fully supported by *Google play* and *Apple store*. There are four main functions shown in the application. Firstly, is the function of heat detector. Heat detector can tell how often your baby has pissed. Secondly, a weight function which is to show how much your baby has pissed or shed. For timer mode, this function is to notify parents to change the baby's diapers at a predetermined time. Lastly, the function of the colours is to tell the parents whether your baby has been swirling or urinating. The indicator will show a green colour if your baby has been swirling and while when the baby pees, the indicator will show a red colour.

3 Technology Description

3.1 Overview of product prototype

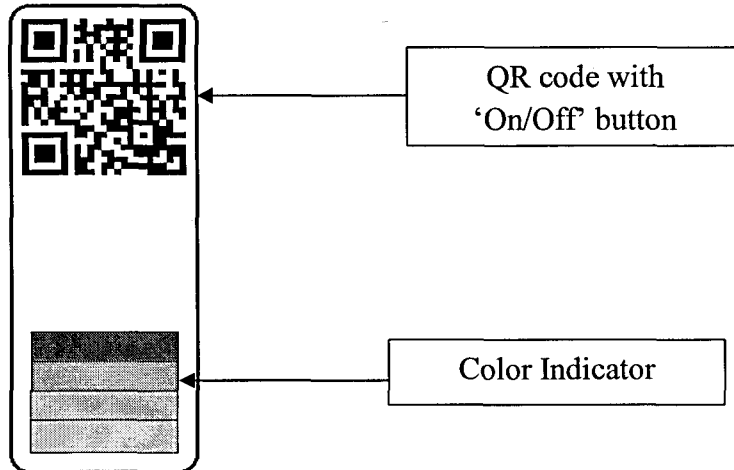


Figure 1: Prototype *iDxPar*

Description

This solar powered product is a multifunctional tool capable of benefitting parents who are busy in modern times. It also benefits the baby as it reduces the risk of severe baby rashes. The tool also has a unique feature which is made of plastic thermoplastic polyurethane which is durable, heat resistant and easily bent. At the beginning of manufacture, this tool comes with a variety of colours to attract the baby and parents in Malaysia. With TPU plastic manufacturing, *iDxPar* offers unique features. This is because it allows the device to be durable, heat resistant and easily bent.

With the technology, *iDxPar* needs to be used with synchronise with the application that is provided *iDxPar*. *iDxPar* application is application that is need to be scan on bar code on device as it attached on the diapers. The application need to download from *Google play* or *Apple store*. On the