스마트 패드 디자인을 위한 사용성에 관한 연구
- 화면 크기 및 제품 크기에 따른 사용자 분석을 중심으로-

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The Research on the Usability for Smart Pad Design

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스마트 패드 디자인을 위한 사용성에 관한 연구

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Abstract

In 2010, the world was excited by the smartphone which can be said as the revolution of communications device. This phenomenon is not a trend for a while, but a notice of coming reorganization in the telecom market.

Apple's i-phone comes to be a booster which makes the Smart phone be the mainstream in cellular phone market. Accordingly Samsung Electronics launched Galaxy in Korea and overheated market. These cellular phones make it possible for users to input and edit a variety of information as they please by touching the pad rather than typing on keyboard.

In addition, the Smart phones have much impact on the development of various Applications. New Applications were developed and make lots of functions possible and improved in the area of information, study, game, film, photograph, etc.

While various contents were used, users came to have new need. Desired are the capability to transfer lots of information in a short time and the overcoming the limitation of small screen.

The Smart Pad like i-Pad was developed to meet these needs. The Smart Pad overcomes the limitation of small screen size of existing cellular phones and is able to treat data in faster way. In addition it can be carried easier than Notebook which users have felt quite heavy to take.

From the fact that new Smart Phones such as CES2011 have been launched, which are easy to carry and have usability, we can expect Smart Phones will have much impact on future cellular phone. We can also anticipate unlimited competition in the Smart Pad market through the news in the first half of 2011 that companies were aggressive.

First of all, launched are various sizes of screen, from 7 inch to 10 inch, which is the main factor of cellular phone’s size.

In the comparative section of portability and the size of screen which I make much importance of for mobile products, this research has reflected these realities and investigated people’s intention to purchase, products preferred, and preferred functions using questionnaires to find out the optimum size of the user’s point of view. For the result, almost 90% of subjects showed their intention to purchase the product and most answered that they would buy an i-pad of Apple henceforward. Also, they wanted a product which can carry out various multimedia functions for the answer of preference questions.

For the result of a user test using Mock-up, the LCD of 9inch applied on 157x225x10(mm) sized sample had the highest preference of the best holding as the subject has actually held and touched the screen.

국문초록

2010년은 통신기기의 혁명이라고 할 수 있는 스마트폰의 열풍에 전 세계가 들.LEFT로 있다. 이 현상은 한 때의 유행이 아닌 앞으로 통신시장의 재편을 예고한다. Apple사에서 만든 i-phone은 기존의 휴대폰 시장을 스마트폰(Smart phone) Type의 시장으로 전환하는 큰 확을 그은 제품이 되었다. 이에 따라 국내에서도 삼성전자의 갤럭시(Galaxy)가 출시되어 그 시장을 더