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Patent Number(s): KR1371570-B1

Title: Liquid crystal protection film, useful in touch screen of e.g. smartphone, for use by visually impaired person, comprises line element units, point element units, and connecting parts formed in both sides of respective line element units

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Derwent Primary Accession No.: 2014-F88404

Abstract: NOVELTY - The liquid crystal protection film comprises first and second line element units and first and second point element units, where the first element unit is arranged in a transverse direction along a first point element unit, and a second element unit is protruded along a second point element unit in a transverse direction. A set of small irregularities is formed at regular intervals in the point element units along the border in both the longitudinal direction of the touch screen. Connecting parts are formed in the both sides of the respective line element units.

USE - The liquid crystal protection film is useful in a touch screen of a portable terminal (claimed) mobile phone such as Iphone (RTM: Smartphone), for use by a visually impaired person, where the portable terminal further includes a notebook computer, an electronic dictionary, a MPEG-1 audio layer 3 player, and a personal digital assistant.

ADVANTAGE - The liquid crystal protective film allows the visually impaired persons to locate the position of the touch screen easily using an indicator, and effectively protects the surface of the screen without erroneous input.

DETAILED DESCRIPTION - The liquid crystal protection film comprises first and second line element units and first and second point element units, where the first element unit is arranged in a transverse direction along a first point element unit, and a second element unit is protruded along a second point element unit in a transverse direction. A set of small irregularities is formed at regular intervals in the point element units along the border in both the longitudinal direction of the touch screen. A set of small irregularities are formed longer than the irregularities of the point element units along the direction of the line element units. Connecting parts are formed in the both sides of the respective line element units. The film further comprises a third element unit formed longer than the second point element unit. The first point element unit or the second point element unit comprises a consecutive character, a number, and a symbol or figure.

Drawing:

No image available!

Kein Bild vorhanden!

Derwent Class Code(s): P73 (Layered products); P75 (Typewriters, stamps, duplicators); P85 (Education, cryptography, adverts); S06 (Electrophotography and Photography); T01 (Digital Computers); T04 (Computer Peripheral Equipment); W01 (Telephone and Data Transmission Systems); W04 (Audio/Video Recording and Systems)

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