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Development of sensitive products on ceramic surfaces

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ABSTRACT

Sensing of ceramic surfaces aiming to make them an active element and interactivity with the user, enables the evolution of the traditional ceramics to a multifunctional level product. Following the trend in contemporary architecture, design of a clean, flat, minimal, with the predominance of embedded devices, this type of technology allows makes possible to offer a new concept of intelligent space where security, comfort, energy management, entertainment, healthcare and communications can be attained through the convergence of services, infrastructure and equipment. The designated new SenseTiles concept thus allows the ceramic tiles become active parts of home automation solutions, changing the product into the interactive part with intelligent buildings, enabling architects and designers to create more elegant indoors, simplistic or minimalist in response to current architectural trends.

Keyword: *Multifunctional ceramic products, Domotics, Capacitive sensors, ecodesign, interactive houses*