

Title (en)
INSOLE FOR A SHOE

Title (de)
EINLAGE FÜR SCHUHE

Title (fr)
SEMELLE INTÉRIEURE POUR CHAUSSURE

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Application
EP 19189296 A 20190731

Priority
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Abstract (en)

The present invention relates to an insole (2) for shoes, comprising a top layer (4), a bottom layer (6), an intermediate layer (8), which is arranged between the top layer (4) and the bottom layer (6), a processing unit (10), an energy unit (12) configured for providing electrical energy, at least one sensor unit (14) configured for sensing force, acceleration, rotation rate, angular position, temperature and/or humidity, and a wireless data interface (16), wherein each of the processing unit (10), the energy unit (12), the at least one sensor unit (14) and the wireless data interface (16) is completely embedded in the intermediate layer 8, wherein the processing unit (10) is connected to the energy unit (12), such that the processing unit (10) is supplied with electrical energy by the energy unit (12), wherein each sensor unit (14) is connected to the processing unit (10) for transferring sensor data to the processing unit (10), wherein the processing unit (10) is configured to determine work data based on the sensor data, such that a work data amount of the work data is smaller than a sensor data amount of the sensor data, wherein the wireless data interface (16) is connected to the processing unit (10) for transmitting the work data or a work signal representing the work data to the wireless data interface (16), and wherein the wireless data interface (16) is configured to wirelessly transmit a communication signal, which represents the work data.

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Citation (search report)

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