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(54) **Title:** METHOD AND SYSTEM FOR AUTHENTICATING USING A QUARTZ OSCILLATOR

(57) **Abstract:** A timepiece having at least one quartz oscillator and/or at least one transducer. A method for authenticating a timepiece includes measuring acoustic vibrations emitted by the timepiece to obtain an electrical signal, performing a transform of said electrical signal into at least one domain, extracting identification information from the transformed electrical signal, comparing the extracted information with at least one reference information, and determining an authenticity of said timepiece based on the comparing.



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