1. A method for at least one of reading and validating a timepiece comprising a dial, at least one hand mounted on the timepiece and having an upper side and a lower side facing the dial, and a security material arranged on the lower side of the at least one hand and including a medium containing one or more compounds having luminescent properties, the method comprising:

illuminating the security material for a prescribed amount of time via a reflection on the dial to excite the security material; and

measuring a luminescence emitted by the security material.

~~2. The method according to claim 1 wherein the security material includes a medium containing one or more compounds having luminescent properties.~~

~~3.~~2. The method according to claim 1 ~~or claim 2~~, wherein the luminescence is at least partially reflected by the dial of the timepiece.

~~4.~~3. The method according to claim 1~~,~~ or claim 2 ~~or claim 3~~, wherein the luminescence is measured to determine one or more decay times of the security material and a time-dependence of the luminescence, and preferably wherein the validating further comprises comparing the time-dependence of the luminescence with at least one of one or more known reference decay times and one or more luminescence time-dependencies.

~~5.~~4. The method according to any one of claims 1 to ~~4~~3, wherein an excitation light of the security material has a prescribed wavelength range.

6.5. The method according to claim 54, wherein the prescribed wavelength is between approximately 925 and 990 nm or wherein the prescribed wavelength is between 200nm and 400nm.

7.6. The method according to any preceding claim, further comprising issuing a signal indicating one of authenticity of the timepiece and non-authenticity of the timepiece and preferably wherein the signal comprises at least one of a visual and an acoustic signal, an alert, a hold signal, an alarm, and a notification.

~~8.~~7. A system for at least one of reading and validating a timepiece according to the method of any one of claims 1 to ~~7~~6, the timepiece comprising a dial, at least one hand mounted on the timepiece and having an upper side and a lower side facing the dial, and a security material arranged on the lower side of the at least one hand and including a medium containing one or more compounds having luminescent properties, the system comprising:

a light source for illuminating the security material with an excitation light for a prescribed amount of time via a reflection on the dial to excite the security material; and

a detector configured for measuring a luminescence emitted by the security material.

~~9.~~8. The system according to claim ~~8~~7, further comprising a comparator configured for comparing the time-dependence of the luminescence with at least one of:

one or more known reference decay times, and

one or more luminescence time-dependencies.

~~10. A computer readable medium for storing instructions, which, upon being executed by a processor of a computer device, cause the processor to execute a method according to any one of claims 1 to 7.~~

~~11.~~9. A timepiece, comprising:

a dial;

at least one hand mounted on the timepiece and having an upper side and a lower side facing the dial; and

a luminescent security material arranged only on the lower side of the at least one hand, wherein the security material is not visible from the upper side.

~~12.~~10. The timepiece according to claim ~~11~~9, wherein the dial comprises reflection properties in the IR range of the electromagnetic spectrum, and preferably, wherein the reflection properties of the dial comprise a reflectivity of more than 10% in at least part of the 750 nm to 1500 nm range.

~~13.~~11. The timepiece according to any preceding claim, further comprising an additional layer arranged on the dial that enhances reflectivity properties of the dial in the IR range.

~~14.~~12. The timepiece according to claim ~~13~~11, wherein the additional layer arranged on the dial comprises one or more of indium tin oxide (ITO), an interference pigment, a dielectric multilayer coating, a cholesteric liquid crystal pigment, and a cholesteric liquid crystal coating.

~~15.~~13. The timepiece according to claim ~~13~~11 or claim ~~14~~12, wherein the additional layer is invisible to the unaided naked eye.

~~16.~~14. The timepiece according to any one of claims ~~11~~9 to ~~14~~12, wherein the additional layer arranged on the dial has a specific reflectivity which is correlated with the properties of the security material to validate the combination of the additional layer and the security material.