

Title (en)

TEXTILE IDENTIFICATION APPARATUS AND METHOD FOR IDENTIFYING A TEXTILE TYPE

Title (de)

TEXTILERKENNUNGSVORRICHTUNG UND VERFAHREN ZUM ERKENNEN EINER TEXTILART

Title (fr)

DISPOSITIF D'IDENTIFICATION DE TEXTILE ET PROCÉDÉ SERVANT À IDENTIFIER UN TYPE DE TEXTILE

Publication

**EP 3887591 A1 20211006 (DE)**

Application

**EP 19808794 A 20191122**

Priority

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Abstract (en)

[origin: WO2020109170A1] A textile identification apparatus (1) comprises an IR scanner (2) and a data processing device (3) for identifying a textile type of a textile for measurement on the basis of an IR measurement spectrum recorded from the textile for measurement by means of the IR scanner (2), wherein the data processing device (3) is configured to classify the recorded IR measurement spectrum, or an IR measurement spectrum calculated therefrom, on the basis of comparisons with IR reference spectra that correspond to different reference textile types and to adopt as the textile type that reference textile type whose IR reference spectrum exhibits the best correspondence with the IR measurement spectrum. A method (S1-S7) serves to identify a textile type, wherein at least one IR measurement spectrum of a textile for measurement is recorded (S1); the recorded IR measurement spectrum, or an IR measurement spectrum calculated therefrom, is classified by comparison with IR reference spectra that correspond to different reference textile types (S6); and that reference textile type whose IR reference spectrum exhibits the best correspondence with the IR measurement spectrum is adopted as the textile type of the textile for measurement (S6). The invention is particularly advantageously applicable to the identification of a textile and possibly stains present thereon, especially in a domestic setting.

IPC 8 full level

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CPC (source: EP)

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