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(54) **DEFORMATION-RESISTANT WOOD FLOORING**

(76) Inventor: Zhaohong CHEN, Ningbo (CN)

> Correspondence Address: MATTHIAS SCHOLL 14781 MEMORIAL DRIVE, SUITE 1319 **HOUSTON, TX 77079 (US)**

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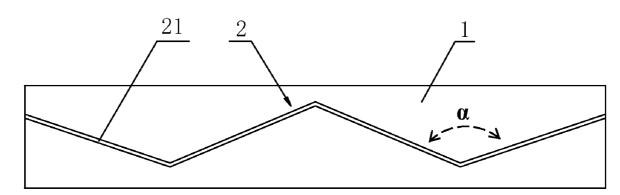
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(57)ABSTRACT

Wood flooring, comprising a body and a groove track, wherein the groove track is disposed at the back of the body, the groove track comprises a plurality of linear grooves, and the linear grooves are oriented with respect to one another at an angle.



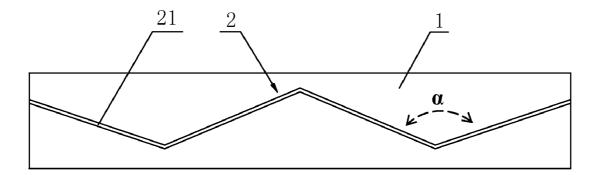


FIG. 1

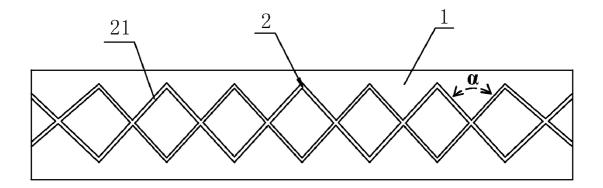


FIG. 2

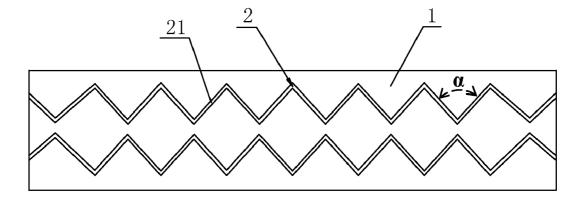


FIG. 3

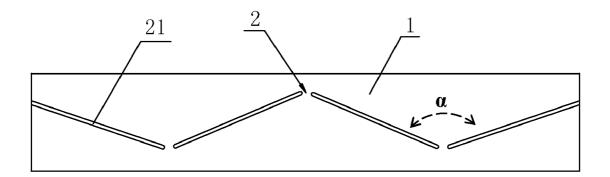


FIG. 4

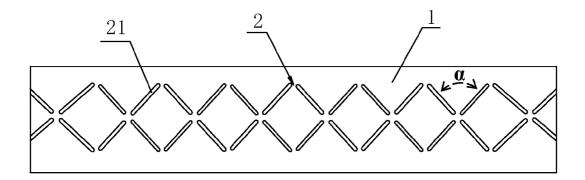


FIG. 5

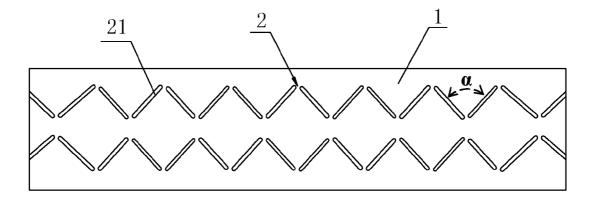


FIG. 6

DEFORMATION-RESISTANT WOOD FLOORING

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] Pursuant to 35 U.S.C. § 119 and the Paris Convention Treaty, this application claims the benefit of Chinese Patent Application No. 200810061293.9 filed on Mar. 21, 2008, the contents of which are incorporated herein by reference

BACKGROUND OF THE INVENTION

[0002] 1. Field of the Invention

[0003] The invention relates to wood flooring, and more particularly to deformation-resistant wood flooring that is simple to produce.

[0004] 2. Description of the Related Art

[0005] Wood flooring is widely used in home building and designing. However, wood flooring production processes are complex and wood flooring suffers from poor anti-deformation performance.

SUMMARY OF THE INVENTION

[0006] In view of the above-described problems, it is one objective of the invention to provide wood flooring that is simple to produce and has good anti-deformation performance.

[0007] To achieve the above objectives, in accordance with one embodiment of the invention, provided is wood flooring, comprising a body and a groove track, wherein the groove track is disposed at the back of the body, the groove track comprises a plurality of linear grooves, and an angle is formed between adjacent linear grooves.

[0008] In a class of this embodiment, an angle formed between adjacent grooves is between 0 and 180 degrees; particularly between 30 and 150 degrees. For example, the angle is 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110, 115, 120, 125, 130, 135, 140, 145 or 150 degrees.

[0009] In certain embodiments of the present invention, the linear grooves are connected with one another.

[0010] In certain embodiments of the present invention, the linear grooves are not connected with one another.

[0011] In accordance with another embodiment of the invention, provided is wood flooring, comprising a body and a pair of groove tracks, wherein the groove tracks are formed at the back of the body, the groove tracks are oppositely disposed with respect to one another and mirror one another, the groove track comprises a plurality of linear grooves connected with one another, and an angle is formed between adjacent linear grooves.

[0012] In certain embodiments of the present invention, the groove tracks are connected with one another.

[0013] In certain embodiments of the present invention, the groove tracks are connected with one another.

[0014] In accordance with further embodiment of the invention, provided is wood flooring, comprising a body, and a pair of groove tracks, wherein the groove tracks are disposed at the back of the body, the groove tracks are oppositely disposed with respect to one another and mirror one another, the groove track comprises a plurality of linear grooves not connected with one another, and an angle is formed between adjacent linear grooves.

[0015] In certain embodiments of the present invention, the groove tracks are connected with one another.

[0016] In certain embodiments of the present invention, the groove tracks are not connected with one another.

[0017] Advantages of the invention comprise: the groove tracks disposed at the back of the body are capable of preventing the wood flooring from deforming or warping; the groove tracks, oppositely disposed and mirroring one another, enable the wood flooring to be uniformly stressed, and thus further prevent deformation or warping thereof; the linear grooves make the production of the wood flooring simple.

BRIEF DESCRIPTION OF THE DRAWINGS

[0018] Detailed description will be given below with reference to accompanying drawings.

[0019] FIG. 1 is a schematic view of wood flooring of a first embodiment of the invention;

[0020] FIG. 2 is a schematic view of wood flooring of a second embodiment of the invention;

[0021] FIG. 3 is a schematic view of wood flooring of a third embodiment of the invention;

[0022] FIG. 4 is a schematic view of wood flooring of a fourth embodiment of the invention;

[0023] FIG. 5 is a schematic view of wood flooring of a fifth embodiment of the invention; and

[0024] FIG. 6 is a schematic view of wood flooring of a sixth embodiment of the invention.

DETAILED DESCRIPTION OF THE EMBODIMENTS

[0025] As shown in FIG. 1, wood flooring of a first embodiment of the invention comprises a body 1 and a groove track 2. The groove track 2 is disposed at the back of the body 1, relative to the front of the body which forms walking surface. The groove track 2 comprises a plurality of linear grooves 21 connected with one another. An angle α is formed between adjacent linear grooves 21.

[0026] As shown in FIG. 2, wood flooring of a second embodiment of the invention comprises a body 1 and a pair groove tracks 2. The groove tracks 2 are oppositely disposed with respect to one another, mirror one another, and are connected with one another. The groove track 2 comprises a plurality of linear grooves 21 connected with one another. An angle α is formed between adjacent linear grooves 21.

[0027] As shown in FIG. 3, wood flooring of a third embodiment of the invention comprises a body 1 and a pair groove tracks 2. The groove tracks 2 are oppositely disposed with respect to one another, mirror one another, and are not connected with one another. The groove track 2 comprises a plurality of linear grooves 21 connected with one another. An angle α is disposed between adjacent linear grooves 21.

[0028] As shown in FIG. **4**, wood flooring of a fourth embodiment of the invention comprises a body **1** and a groove track **2**. The groove track **2** comprises a plurality of linear grooves **21** not connected with one another. An angle α is disposed between adjacent linear grooves **21**.

[0029] As shown in FIG. 5, wood flooring of a second embodiment of the invention comprises a body 1 and a pair groove tracks 2. The groove tracks 2 are oppositely disposed with respect to one another, mirror one another, and are connected with one another. The groove track 2 comprises a

plurality of linear grooves 21 not connected with one another. An angle α is disposed between adjacent linear grooves 21. [0030] As shown in FIG. 6, wood flooring of a sixth embodiment of the invention comprises a body 1 and a pair groove tracks 2. The groove tracks 2 are oppositely disposed with respect to one another, mirror one another, and are not connected with one another. The groove track 2 comprises a plurality of linear grooves 21 not connected with one another. An angle α is disposed between adjacent linear grooves 21. [0031] In other embodiments of the invention, a different number of the groove tracks 2 can also be used according to the size of the body 1.

[0032] While particular embodiments of the invention have been shown and described, it will be obvious to those skilled in the art that changes and modifications may be made without departing from the invention in its broader aspects, and therefore, the aim in the appended claims is to cover all such changes and modifications as fall within the true spirit and scope of the invention.

The invention claimed is:

- 1. Wood flooring, comprising
- a body; and
- a groove track;

wherein

said groove track is disposed at the back of said body; said groove track comprises a plurality of linear grooves;

an angle is formed between adjacent linear grooves.

2. The wood flooring of claim 1, wherein said linear grooves are connected with one another.

- 3. The wood flooring of claim 1, wherein said linear grooves are not connected with one another.
 - 4. Wood flooring, comprising
 - a body; and
 - a pair of groove tracks;

wherein

said groove tracks are disposed at the back of said body; said groove tracks mirror one another;

said groove track comprises a plurality of linear grooves connected with one another; and

an angle is formed between adjacent linear grooves.

- 5. The wood flooring of claim 4, wherein said groove tracks are connected with one another.
- 6. The wood flooring of claim 4, wherein said groove tracks are not connected with one another.
 - 7. Wood flooring, comprising
 - a body; and
 - a pair of groove tracks;

wherein

said groove tracks are disposed at the back of said body; said groove tracks mirror one another;

said groove track comprises a plurality of linear grooves not connected with one another; and

an angle is formed between adjacent linear grooves.

- 8. The wood flooring of claim 7, wherein said groove tracks are connected with one another.
- 9. The wood flooring of claim 7, wherein said groove tracks are not connected with one another.

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