CLAIMS

[Claim 1]

A decorative material comprising a bright pattern layer on a base material, wherein

the base material is a metal base material,

the bright pattern layer has at least a first bright ink layer and a second bright ink layer,

the first bright ink layer and the second bright ink layer satisfy the following relationship (A) or (B),

each of the bright ink layers is provided on at least a part of the base material when the decorative material is viewed in a plan view,

when the decorative material is viewed in a plan view, the first bright ink layer has a region that overlaps and a region that does not overlap with the second bright ink layer, and the second bright ink layer has a region that overlaps and a region that does not overlap with the first bright ink layer,

when the decorative material is viewed in a plan view, the first bright ink layer and the second bright ink layer contact each other in the direction of the thickness of the decorative material in the region where the first bright ink layer and the second bright ink layer overlap, and

when the decorative material is viewed in a plan view, the first bright ink layer is composed of an aggregate of a plurality of independent regions, and when maximum film thicknesses of the respective independent regions are compared, the maximum film thickness of at least one independent region is different from the maximum film thickness of the other independent regions.

(A) The first bright ink layer contains a first bright pigment, and the second bright ink layer contains a second bright pigment different from the first bright pigment. Furthermore, the combination of the first bright pigment and the second bright pigment is one selected from the group consisting of (1) to (12).

(1) A combination of a white pearl pigment and an interference pearl pigment.

(2) A combination of a white pearl pigment and a colored pearl pigment.

(3) A combination of an interference pearl pigment and a colored pearl pigment.

(4) A combination of a first interference pearl pigment and a second interference pearl pigment different in the thickness of a coating layer from that of the first interference pearl pigment.

(5) A combination of a first colored pearl pigment and a second colored pearl pigment different in color from that of the first colored pearl pigment.
(6) A combination of an aluminum pigment and a white pearl pigment.
(7) A combination of an aluminum pigment and an interference pearl pigment.
(8) A combination of an aluminum pigment and a colored pearl pigment.
(9) A combination of an aluminum pigment and a brass pigment.
(10) A combination of a brass pigment and a white pearl pigment.
(11) A combination of a brass pigment and an interference pearl pigment.
(12) A combination of a brass pigment and a colored pearl pigment.

(B) The first bright ink layer and the second bright ink layer contain a bright pigment, and a content of the bright pigment in the first bright ink layer is different from a content of the bright pigment in the second bright ink layer.

[Claim 2]

A decorative material comprising a bright pattern layer on a base material, wherein

the base material is a metal base material,

the bright pattern layer has at least a first bright ink layer and a second bright ink layer,

the first bright ink layer and the second bright ink layer satisfy the following relationship (A) or (B),

each of the bright ink layers is provided on at least a part of the base material when the decorative material is viewed in a plan view,

when the decorative material is viewed in a plan view, the first bright ink layer has a region that overlaps and a region that does not overlap with the second bright ink layer, and the second bright ink layer has a region that overlaps and a region that does not overlap with the first bright ink layer,

when the decorative material is viewed in a plan view, the first bright ink layer and the second bright ink layer contact each other in the direction of the thickness of the decorative material in the region where the first bright ink layer and the second bright ink layer overlap, and

when the decorative material is viewed in a plan view, the first bright ink layer is composed of an aggregate of a plurality of independent regions, and at least one or more of the independent regions are partially different in film thickness within the independent regions.

(A) The first bright ink layer contains a first bright pigment, and the second

bright ink layer contains a second bright pigment different from the first bright pigment. Furthermore, the combination of the first bright pigment and the second bright pigment is one selected from the group consisting of (1) to (12).

(1) A combination of a white pearl pigment and an interference pearl pigment.

(2) A combination of a white pearl pigment and a colored pearl pigment.

(3) A combination of an interference pearl pigment and a colored pearl pigment.

(4) A combination of a first interference pearl pigment and a second interference pearl pigment different in the thickness of a coating layer from that of the first interference pearl pigment.

(5) A combination of a first colored pearl pigment and a second colored pearl pigment different in color from that of the first colored pearl pigment.

(6) A combination of an aluminum pigment and a white pearl pigment.

(7) A combination of an aluminum pigment and an interference pearl pigment.

(8) A combination of an aluminum pigment and a colored pearl pigment.

(9) A combination of an aluminum pigment and a brass pigment.

(10) A combination of a brass pigment and a white pearl pigment.

(11) A combination of a brass pigment and an interference pearl pigment.

(12) A combination of a brass pigment and a colored pearl pigment.

(B) The first bright ink layer and the second bright ink layer contain a bright pigment, and a content of the bright pigment in the first bright ink layer is different from a content of the bright pigment in the second bright ink layer.

[Claim 3]

The decorative material according to claim 2, wherein at least one or more of the independent regions of the first bright ink layer have a film thickness distribution in a range of 0.15 μm to 6.0 μm within the independent regions.

[Claim 4]

A decorative material comprising a bright pattern layer on a base material, wherein

the base material is a metal base material,

the bright pattern layer has at least a first bright ink layer and a second bright ink layer,

the first bright ink layer and the second bright ink layer satisfy the following relationship (A) or (B),

each of the bright ink layers is provided on at least a part of the base material when the decorative material is viewed in a plan view,

when the decorative material is viewed in a plan view, the first bright ink layer has a region that overlaps and a region that does not overlap with the second bright ink layer, and the second bright ink layer has a region that overlaps and a region that does not overlap with the first bright ink layer,

when the decorative material is viewed in a plan view, the first bright ink layer and the second bright ink layer contact each other in the direction of the thickness of the decorative material in the region where the first bright ink layer and the second bright ink layer overlap, and

when the decorative material is viewed in a plan view, the second bright ink layer is composed of an aggregate of a plurality of independent regions, and when maximum film thicknesses of the respective independent regions are compared, the maximum film thickness of at least one independent region is different from the maximum film thickness of the other independent regions.

(A) The first bright ink layer contains a first bright pigment, and the second bright ink layer contains a second bright pigment different from the first bright pigment. Furthermore, the combination of the first bright pigment and the second bright pigment is one selected from the group consisting of (1) to (12).

(1) A combination of a white pearl pigment and an interference pearl pigment.

(2) A combination of a white pearl pigment and a colored pearl pigment.

(3) A combination of an interference pearl pigment and a colored pearl pigment.

(4) A combination of a first interference pearl pigment and a second interference pearl pigment different in the thickness of a coating layer from that of the first interference pearl pigment.

(5) A combination of a first colored pearl pigment and a second colored pearl pigment different in color from that of the first colored pearl pigment.

(6) A combination of an aluminum pigment and a white pearl pigment.

(7) A combination of an aluminum pigment and an interference pearl pigment.

(8) A combination of an aluminum pigment and a colored pearl pigment.

(9) A combination of an aluminum pigment and a brass pigment.

(10) A combination of a brass pigment and a white pearl pigment.

(11) A combination of a brass pigment and an interference pearl pigment.

(12) A combination of a brass pigment and a colored pearl pigment.

(B) The first bright ink layer and the second bright ink layer contain a bright pigment, and a content of the bright pigment in the first bright ink layer is different from a content of the bright pigment in the second bright ink layer.

[Claim 5]

A decorative material comprising a bright pattern layer on a base material, wherein

the base material is a metal base material,

the bright pattern layer has at least a first bright ink layer and a second bright ink layer,

the first bright ink layer and the second bright ink layer satisfy the following relationship (A) or (B),

each of the bright ink layers is provided on at least a part of the base material when the decorative material is viewed in a plan view,

when the decorative material is viewed in a plan view, the first bright ink layer has a region that overlaps and a region that does not overlap with the second bright ink layer, and the second bright ink layer has a region that overlaps and a region that does not overlap with the first bright ink layer,

when the decorative material is viewed in a plan view, the first bright ink layer and the second bright ink layer contact each other in the direction of the thickness of the decorative material in the region where the first bright ink layer and the second bright ink layer overlap, and

when the decorative material is viewed in a plan view, the second bright ink layer is composed of an aggregate of a plurality of independent regions, and at least one or more of the independent regions are partially different in film thickness within the independent regions.

(A) The first bright ink layer contains a first bright pigment, and the second bright ink layer contains a second bright pigment different from the first bright pigment. Furthermore, the combination of the first bright pigment and the second bright pigment is one selected from the group consisting of (1) to (12).

(1) A combination of a white pearl pigment and an interference pearl pigment.

(2) A combination of a white pearl pigment and a colored pearl pigment.

(3) A combination of an interference pearl pigment and a colored pearl pigment.

(4) A combination of a first interference pearl pigment and a second interference pearl pigment different in the thickness of a coating layer from that of the first interference pearl pigment.

(5) A combination of a first colored pearl pigment and a second colored pearl pigment different in color from that of the first colored pearl pigment.

(6) A combination of an aluminum pigment and a white pearl pigment.

(7) A combination of an aluminum pigment and an interference pearl pigment.
(8) A combination of an aluminum pigment and a colored pearl pigment.
(9) A combination of an aluminum pigment and a brass pigment.
(10) A combination of a brass pigment and a white pearl pigment.
(11) A combination of a brass pigment and an interference pearl pigment.
(12) A combination of a brass pigment and a colored pearl pigment.

(B) The first bright ink layer and the second bright ink layer contain a bright pigment, and a content of the bright pigment in the first bright ink layer is different from a content of the bright pigment in the second bright ink layer.

[Claim 6]

The decorative material according to claim 5, wherein at least one or more of the independent regions of the second bright ink layer have a film thickness distribution in a range of 0.15 μm to 6.0 μm within the independent regions.

[Claim 7]

The decorative material according to any one of claims 1 to 6, wherein at least one of the film thickness of the first bright ink layer and the film thickness of the second bright ink layer in the region where the first bright ink layer and the second bright ink layer overlap is partially different.

[Claim 8]

A decorative material comprising a bright pattern layer on a base material, wherein

the base material is a metal base material,

the bright pattern layer has at least a first bright ink layer and a second bright ink layer,

the first bright ink layer and the second bright ink layer satisfy the following relationship (A),

each of the bright ink layers is provided on at least a part of the base material when the decorative material is viewed in a plan view,

when the decorative material is viewed in a plan view, the first bright ink layer has a region that overlaps and a region that does not overlap with the second bright ink layer, and the second bright ink layer has a region that overlaps and a region that does not overlap with the first bright ink layer, and

when the decorative material is viewed in a plan view, the first bright ink layer and the second bright ink layer contact each other in the direction of the thickness of the decorative material in the region where the first bright ink layer

and the second bright ink layer overlap.

(A) The first bright ink layer contains a first bright pigment, and the second bright ink layer contains a second bright pigment different from the first bright pigment. Furthermore, the combination of the first bright pigment and the second bright pigment is one selected from the group consisting of (1) to (5).

(1) A combination of a white pearl pigment and an interference pearl pigment.

(2) A combination of a white pearl pigment and a colored pearl pigment.

(3) A combination of an interference pearl pigment and a colored pearl pigment.

(4) A combination of a first interference pearl pigment and a second interference pearl pigment different in the thickness of a coating layer from that of the first interference pearl pigment.

(5) A combination of a first colored pearl pigment and a second colored pearl pigment different in color from that of the first colored pearl pigment.

[Claim 9]

The decorative material according to any one of claims 1 to 8, wherein the first bright pigment is one type alone, and the second bright pigment is one type alone.

[Claim 10]

The decorative material according to any one of claims 1 to 9, wherein a base coating layer is further provided between the base material and the bright pattern layer, and the base coating layer is a monochromatic or colorless layer.

[Claim 11]

A decorative material comprising a bright pattern layer on a base material, wherein

the base material is a metal base material,

the bright pattern layer has at least a first bright ink layer and a second bright ink layer,

the first bright ink layer and the second bright ink layer satisfy the following relationship (A) or (B),

each of the bright ink layers is provided on at least a part of the base material when the decorative material is viewed in a plan view,

when the decorative material is viewed in a plan view, the first bright ink layer has a region that overlaps and a region that does not overlap with the second bright ink layer, and the second bright ink layer has a region that overlaps and a region that does not overlap with the first bright ink layer,

when the decorative material is viewed in a plan view, the first bright ink layer and the second bright ink layer contact each other in the direction of the thickness of the decorative material in the region where the first bright ink layer and the second bright ink layer overlap, and

a heaping layer is provided on a part of the bright pattern layer.

(A) The first bright ink layer contains a first bright pigment, and the second bright ink layer contains a second bright pigment different from the first bright pigment. Furthermore, the combination of the first bright pigment and the second bright pigment is one selected from the group consisting of (1) to (12).

(1) A combination of a white pearl pigment and an interference pearl pigment.

(2) A combination of a white pearl pigment and a colored pearl pigment.

(3) A combination of an interference pearl pigment and a colored pearl pigment.

(4) A combination of a first interference pearl pigment and a second interference pearl pigment different in the thickness of a coating layer from that of the first interference pearl pigment.

(5) A combination of a first colored pearl pigment and a second colored pearl pigment different in color from that of the first colored pearl pigment.

(6) A combination of an aluminum pigment and a white pearl pigment.

(7) A combination of an aluminum pigment and an interference pearl pigment.

(8) A combination of an aluminum pigment and a colored pearl pigment.

(9) A combination of an aluminum pigment and a brass pigment.

(10) A combination of a brass pigment and a white pearl pigment.

(11) A combination of a brass pigment and an interference pearl pigment.

(12) A combination of a brass pigment and a colored pearl pigment.

(B) The first bright ink layer and the second bright ink layer contain a bright pigment, and a content of the bright pigment in the first bright ink layer is different from a content of the bright pigment in the second bright ink layer.

[Claim 12]

The decorative material according to claim 8, wherein only the pearl pigments selected from the interference pearl pigment, the colored pearl pigment, and the white pearl pigment are contained as the first bright pigment and the second bright pigment.

[Claim 13]

The decorative material according to claim 8 or 11, wherein at least one of the first bright ink layer and the second bright ink layer is composed of an

aggregate of a plurality of independent regions.

[Claim 14]

The decorative material according to any one of claims 1 to 13, wherein when the decorative material is viewed in a plan view, the decorative material have an area where the bright pattern layer is not provided in the planer of the decorative material.

[Claim 15]

A laminate comprising an adherend, and the decorative material according to any one of claims 1 to 14 that is laminated on the adherend.

[Claim 16]

A method of producing a decorative material, comprising a step of forming a bright pattern layer on a base material, wherein

the base material is a metal base material,

the bright pattern layer has at least a first bright ink layer and a second bright ink layer,

the first bright ink layer and the second bright ink layer satisfy the following relationship (A),

each of the bright ink layers is provided on at least a part of the base material when the decorative material is viewed in a plan view,

when the decorative material is viewed in a plan view, the first bright ink layer has a region that overlaps and a region that does not overlap with the second bright ink layer, and the second bright ink layer has a region that overlaps and a region that does not overlap with the first bright ink layer, and

when the decorative material is viewed in a plan view, the first bright ink layer and the second bright ink layer contact each other in the direction of the thickness of the decorative material in the region where the first bright ink layer and the second bright ink layer overlap.

(A) The first bright ink layer contains a first bright pigment, and the second bright ink layer contains a second bright pigment different from the first bright pigment. Furthermore, the combination of the first bright pigment and the second bright pigment is one selected from the group consisting of (1) to (5).

(1) A combination of a white pearl pigment and an interference pearl pigment.

(2) A combination of a white pearl pigment and a colored pearl pigment.

(3) A combination of an interference pearl pigment and a colored pearl pigment.

(4) A combination of a first interference pearl pigment and a second interference

pearl pigment different in the thickness of a coating layer from that of the first interference pearl pigment.

(5) A combination of a first colored pearl pigment and a second colored pearl pigment different in color from that of the first colored pearl pigment.

[Claim 17]

The decorative material according to claim 16, wherein the first bright pigment is one type alone, and the second bright pigment is one type alone.

[Claim 18]

A method of producing a decorative material, comprising a step of forming a bright pattern layer on a base material, wherein

the base material is a metal base material,

the bright pattern layer has at least a first bright ink layer and a second bright ink layer,

the first bright ink layer and the second bright ink layer satisfy the following relationship (A) or (B),

each of the bright ink layers is provided on at least a part of the base material when the decorative material is viewed in a plan view,

when the decorative material is viewed in a plan view, the first bright ink layer has a region that overlaps and a region that does not overlap with the second bright ink layer, and the second bright ink layer has a region that overlaps and a region that does not overlap with the first bright ink layer,

when the decorative material is viewed in a plan view, the first bright ink layer and the second bright ink layer contact each other in the direction of the thickness of the decorative material in the region where the first bright ink layer and the second bright ink layer overlap, and.

wherein the bright pattern layer is formed by a step of applying and drying an ink for the first bright ink layer on the base material, and a step of applying and drying an ink for the second bright ink layer on the base material.

(A) The first bright ink layer contains a first bright pigment, and the second bright ink layer contains a second bright pigment different from the first bright pigment. Furthermore, the combination of the first bright pigment and the second bright pigment is one selected from the group consisting of (1) to (12).

(1) A combination of a white pearl pigment and an interference pearl pigment.

(2) A combination of a white pearl pigment and a colored pearl pigment.

(3) A combination of an interference pearl pigment and a colored pearl pigment.

(4) A combination of a first interference pearl pigment and a second interference pearl pigment different in the thickness of a coating layer from that of the first interference pearl pigment.
(5) A combination of a first colored pearl pigment and a second colored pearl pigment different in color from that of the first colored pearl pigment.
(6) A combination of an aluminum pigment and a white pearl pigment.
(7) A combination of an aluminum pigment and an interference pearl pigment.
(8) A combination of an aluminum pigment and a colored pearl pigment.
(9) A combination of an aluminum pigment and a brass pigment.
(10) A combination of a brass pigment and a white pearl pigment.
(11) A combination of a brass pigment and an interference pearl pigment.
(12) A combination of a brass pigment and a colored pearl pigment.

(B) The first bright ink layer and the second bright ink layer contain a bright pigment, and a content ratio of the bright pigment in the first bright ink layer is different from a content ratio of the bright pigment in the second bright ink layer.

[Claim 19]

A method of producing a decorative material, comprising a step of forming a bright pattern layer on a base material, wherein

the base material is a metal base material,

the bright pattern layer has at least a first bright ink layer and a second bright ink layer,

the first bright ink layer and the second bright ink layer satisfy the following relationship (A) or (B),

each of the bright ink layers is provided on at least a part of the base material when the decorative material is viewed in a plan view,

when the decorative material is viewed in a plan view, the first bright ink layer has a region that overlaps and a region that does not overlap with the second bright ink layer, and the second bright ink layer has a region that overlaps and a region that does not overlap with the first bright ink layer

when the decorative material is viewed in a plan view, the first bright ink layer and the second bright ink layer contact each other in the direction of the thickness of the decorative material in the region where the first bright ink layer and the second bright ink layer overlap , and

the bright pattern layer is formed by a step of transferring a transfer layer

of a transfer sheet having the transfer layer including the bright pattern layer on a release layer to the base material.

(A) The first bright ink layer contains a first bright pigment, and the second bright ink layer contains a second bright pigment different from the first bright pigment. Furthermore, the combination of the first bright pigment and the second bright pigment is one selected from the group consisting of (1) to (12).

(1) A combination of a white pearl pigment and an interference pearl pigment.

(2) A combination of a white pearl pigment and a colored pearl pigment.

(3) A combination of an interference pearl pigment and a colored pearl pigment.

(4) A combination of a first interference pearl pigment and a second interference pearl pigment different in the thickness of a coating layer from that of the first interference pearl pigment.

(5) A combination of a first colored pearl pigment and a second colored pearl pigment different in color from that of the first colored pearl pigment.

(6) A combination of an aluminum pigment and a white pearl pigment.

(7) A combination of an aluminum pigment and an interference pearl pigment.

(8) A combination of an aluminum pigment and a colored pearl pigment.

(9) A combination of an aluminum pigment and a brass pigment.

(10) A combination of a brass pigment and a white pearl pigment.

(11) A combination of a brass pigment and an interference pearl pigment.

(12) A combination of a brass pigment and a colored pearl pigment.

(B) The first bright ink layer and the second bright ink layer contain a bright pigment, and a content ratio of the bright pigment in the first bright ink layer is different from a content ratio of the bright pigment in the second bright ink layer.

[Claim 20]

The method of producing a decorative material according to claim 16, wherein only the pearl pigments selected from the interference pearl pigment, the colored pearl pigment, and the white pearl pigment are contained as the first bright pigment and the second bright pigment.