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For: CAMOUFLAGE MATERIAL FOR A HUNTING BLIND

ALLOWED CLAIMS

54. A camouflage structure comprising:

one or more sides; and

a roof;

wherein mesh material is provided along one of the one or more sides, wherein the mesh material has a camouflage pattern on a first side facing an exterior of the camouflage structure and a dark color on a second side facing an interior of the camouflage structure;

wherein non-transmissive material is provided along the roof such that light from the exterior of the camouflage structure does not pass through the non-transmissive material; and

wherein the mesh material defines an outer surface of the camouflage structure;

a roof frame with at least two frame members along the roof, wherein the non-transmissive material is configured to be attached to the roof frame; and

a side frame with at least two frame members along the one or more sides, wherein at least two frame members converge along the one or more sides, and wherein the mesh material is configured to be attached to the side frame.

56. The camouflage structure of claim 54, wherein the mesh material is configured to be attached between at least two frame members of the side frame to cover an area between at least two frame members of the side frame.

57. The camouflage structure of claim 54, wherein the non-transmissive material is configured to be attached between at least two frame members of the roof frame to cover an area between at least two frame members of the roof frame.

58. The camouflage structure of claim 54, wherein the frame is a flexible frame, wherein at least two frame members along the roof are at least two flexible frame members and wherein at least two frame members along the one or more sides are at least two flexible frame members and wherein at least two flexible frame members along the one or more sides converge along the one or more sides in a direction away from the roof of the camouflage structure.

60. The camouflage structure of claim 54, wherein the non-transmissive material is non-mesh material.

61. The camouflage structure of claim 54, wherein the camouflage pattern comprises one or more ink substances printed on the first side and the dark color comprises a dark ink substance printed on the second side.

62. The camouflage structure of claim 56, wherein the mesh material is in direct contact with at least two frame members of the side frame.

64. The camouflage structure of claim 54, wherein the mesh material is partially transmissive such that a ratio of a reflected portion of incident light on the mesh material from the exterior of the camouflage structure to a transmitted portion of the incident light through the mesh material is 2 or more.

65. The camouflage structure of claim 54, wherein the mesh material is partially transmissive such that a portion of incident radiation from the exterior of the camouflage structure is reflected off the camouflage pattern back into the exterior, a portion of incident radiation from the interior of the camouflage structure is transmitted through the mesh material to the exterior and wherein a ratio of an intensity of the reflected portion to an intensity of the transmitted portion is above a threshold value such that the exterior of the camouflage structure is visible through the camouflage material from the interior of the camouflage structure and the interior of the camouflage structure is not visible through the mesh material from the exterior of the camouflage structure;

and wherein the threshold value is 2.

66. The camouflage structure of claim 54, wherein the mesh material is made of polyester material and an acrylic fiber.

67. The camouflage structure of claim 54, wherein the mesh material is a vinyl-coated polyester material.

68. The camouflage structure of claim 54, wherein the mesh material is interwoven fabric formed by weaving yarn material.

69. The camouflage structure of claim 54, wherein the mesh material is one or more panels of mesh material, wherein the second side of the one or more panels of mesh material defines the interior of the camouflage structure and the first side of the one or more panels of mesh material defines the exterior of the camouflage structure; and

wherein the frame members of the roof frame and the side frame are configured to form an enclosure that surrounds the interior.

70. The camouflage structure of claim 54, wherein the mesh material is one or more panels of mesh material, wherein the non-transmissive material is one or more panels of non-transmissive material, wherein the one or more panels of non-transmissive material along the roof frame are configured to be attached to the one or more panels of mesh material along the side frame along an interface between the side frame and the roof frame.

71. The camouflage structure of claim 54, wherein at least two frame members along the side frame are configured to interconnect with the one or more panels of non-transmissive material along the roof frame.

72. The camouflage structure of claim 54, wherein the camouflage structure defines one or more openings comprising at least one of:

a window that is configured to be opened to provide a shooting position upon an approach of prey to the camouflage structure from the first side; and

a door that is configured for entry to the interior of the camouflage structure.

73. The camouflage structure of claim 54, wherein the mesh material is partially transmissive such that during daylight conditions the exterior of the camouflage structure is visible from the interior of the camouflage structure yet the interior of the camouflage structure is not visible from the exterior of the camouflage structure.

74. The camouflage structure of claim 56, further comprising a variation in a spacing between at least two frame members of the side frame such that the spacing is reduced along the side frame in a direction away from the roof of the camouflage structure.

75. The camouflage structure of claim 58, wherein the flexible frame is configured to be moved from a folded position to a deployed position, wherein in the deployed position the exterior of the camouflage structure is visible through the mesh

material from the interior of the camouflage structure yet the interior of the camouflage structure is not visible through the mesh material from the exterior of the camouflage structure.

76. A camouflage structure comprising:

a frame including a plurality of frame members, said plurality of frame members comprising at least two spaced apart frame members along a side of the camouflage structure and at least two spaced apart frame members along a roof of the camouflage structure, wherein a spacing between at least two spaced apart frame members along the side is reduced in a direction away from the roof of the camouflage structure; and

one or more panels of mesh material configured to be attached between at least two spaced apart frame members that are along the side of the camouflage structure, said one or more panels of the mesh material comprising:

a first side with a camouflage pattern; and

a second side with a dark color, said second side opposite to the first side;

and

one or more panels of non-mesh material configured to be provided along the roof of the camouflage structure and configured to be attached between at least two spaced apart frame members that are along the roof of the camouflage structure to cover an area between at least two spaced apart frame members, and the one or more panels of non-mesh material are non-transmissive such that incident radiation from an exterior of the camouflage structure is not transmitted through the non-mesh material;

wherein one or more panels of the mesh material define an outer surface of the camouflage structure;

wherein the camouflage pattern is based on an exterior environment where the camouflage structure will be positioned to make the camouflage structure blend in with the exterior environment, and the mesh material is partially transmissive such that during daylight conditions the exterior of the camouflage structure is visible from the interior of the camouflage structure yet the interior of the camouflage structure is not visible from the exterior of the camouflage structure;

wherein the camouflage structure comprises a window along a side of the camouflage structure and a panel or a portion of a panel of the mesh material covers an opening of the window, and the mesh is movable relative to the frame members to open and close the window; and,

the camouflage structure further comprises a door along another side of the camouflage structure.

78. The camouflage structure of claim 76, wherein the camouflage structure is a ground blind or a stake-out blind that is configured to be mounted to a ground to conceal an individual positioned on the second side of the mesh material.

79. The camouflage structure of claim 76, wherein the first side of the mesh material defines the interior of the camouflage structure and wherein the second side of the mesh material defines the exterior of the camouflage structure, wherein the mesh material of the one or more panels of camouflage material is configured to simultaneously provide ventilation to the interior of the camouflage structure and camouflage the interior of the camouflage structure from the exterior of the camouflage structure.

80. The camouflage structure of claim 76, wherein the frame comprises:
a roof frame with at least two frame members along the roof; and
a side frame with at least two frame members along the side, wherein at least two frame members along the side converge along the side and wherein the one or more panels of mesh material is configured to be attached to the side frame.

81. The camouflage structure of claim 80, wherein the one or more panels of mesh material are in direct contact with at least two frame members of the side frame such that the mesh material covers an area between at least two frame members of the side frame.

86. The camouflage structure of claim 76, wherein the camouflage pattern comprises one or more ink substances printed on the first side and the dark color comprises a dark ink substance printed on the second side.

88. The camouflage structure of claim 76, wherein the dark color is a single color coating.

89. The camouflage structure of claim 76, wherein the mesh material is partially transmissive such that a ratio of a reflected portion of incident light on the mesh material from the exterior of the camouflage structure to a transmitted portion of the incident light through the mesh material is 2 or more.

90. The camouflage structure of claim 76, wherein the mesh material is partially transmissive such that a portion of incident radiation from the exterior of the camouflage structure is reflected off the camouflage pattern back into the exterior, a portion of incident radiation from the interior of the camouflage structure is transmitted through the mesh material to the exterior and wherein a ratio of an intensity of the reflected portion to an intensity of the transmitted portion is above a threshold value such that the exterior of the camouflage structure is visible through the camouflage material from the interior of the camouflage structure and the interior of the camouflage structure is not visible through the mesh material from the exterior of the camouflage structure;

and wherein the threshold value is 2.

91. The camouflage structure of claim 76, wherein the mesh material is made of polyester material and an acrylic fiber.

92. The camouflage structure of claim 76, wherein the mesh material is a vinyl-coated polyester material.

93. The camouflage structure of claim 76, wherein the mesh material is interwoven fabric formed by weaving yarn material.

94. The camouflage structure of claim 76, wherein the second side of the mesh material defines the interior of the camouflage structure and the first side of the mesh material defines the exterior of the camouflage structure; and

wherein the plurality of frame members are configured to form an enclosure that surrounds the interior.

95. The camouflage structure of claim 76, wherein the one or more panels of non-transmissive material are configured to be attached to the one or more panels of mesh material along the side of the frame.

96. The camouflage structure of claim 76, wherein at least two frame members along the side of the frame are configured to interconnect with the one or more panels of non-transmissive material along the roof of the frame.

97. The camouflage structure of claim 76, wherein the camouflage structure defines one or more openings comprising at least one of:

the window that is configured to be opened to provide a shooting position upon an approach of prey to the camouflage structure from the first side of the mesh material; and

a door that is configured for entry to an interior of the camouflage structure.

98. The camouflage structure of claim 76, wherein the mesh material is partially transmissive such that during daylight conditions the exterior of the camouflage structure is visible from the interior of the camouflage structure yet the interior of the camouflage structure is not visible from the exterior of the camouflage structure.

99. The camouflage structure of claim 76, wherein at least two spaced apart frame members are configured to converge along the side of the frame in the direction away from the roof of the camouflage structure.

101. The camouflage structure of claim 76, wherein the mesh material is in direct contact with one of the spaced apart frame members along a top of the side of the camouflage structure and wherein the mesh material is in direct contact with one of the spaced apart frame members along a bottom of the side of the camouflage structure.

107. A camouflage structure comprising:
a pop-up frame including a plurality of flexible frame members, said plurality of flexible frame members comprising at least two spaced apart frame members along a side of the camouflage structure and at least two spaced apart frame members along a roof of the camouflage structure, wherein at least two spaced apart frame members along the side of the camouflage structure converge along the side of the camouflage structure in a direction away from the roof of the camouflage structure; and

one or more panels of mesh material configured to be attached between at least two spaced apart frame members that are along the side of the camouflage structure, said one or more panels comprising:

a first side with a camouflage pattern; and

a second side with a dark color, said second side opposite to the first side;

and

one or more panels of non-mesh material provided along the roof of the camouflage structure and configured to be attached to at least two spaced apart frame members that are along the roof of the camouflage structure to cover an area between at least two spaced apart frame members, and the one or more panels of non-mesh material are non-transmissive such that incident radiation from an exterior of the camouflage structure is not transmitted through the non-mesh material;

wherein the one or more panels of the mesh material define an outer surface of the camouflage structure along a side of the structure, and the mesh material is partially

transmissive such that during daylight conditions the exterior of the camouflage structure is visible from the interior of the camouflage structure, yet the interior of the camouflage structure is not visible from the exterior of the camouflage structure.

108. The camouflage structure of claim 72, wherein the window is along one of the one or more sides of the camouflage structure and a panel or a portion of a panel of the mesh material covers the opening of the window, and the mesh is movable relative to the frame members to open and close the window.

109. The camouflage structure of claim 108, wherein the door is along another of the one or more sides of the camouflage structure.