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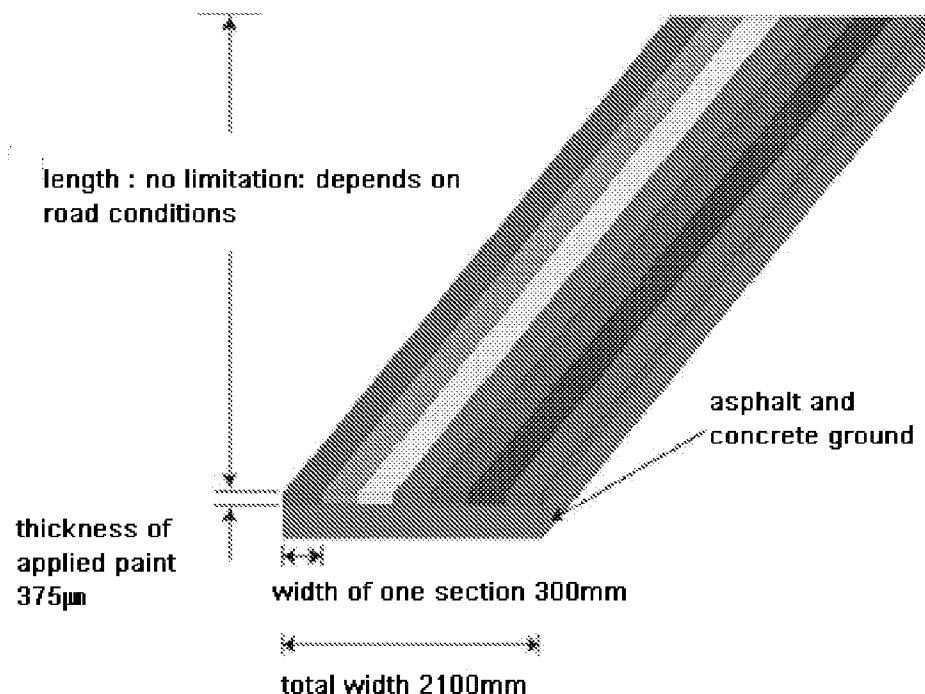
(19) **United States**(12) **Patent Application Publication**
Kim(10) **Pub. No.: US 2011/0318101 A1**(43) **Pub. Date: Dec. 29, 2011**(54) **CONSTRUCTION AND INSTALLATION OF A
WORLD STANDARD RAINBOW HIGHWAY
MADE OF RAINBOW COLORS AND
METHOD THEREOF**(76) Inventor: **Keum Kyu Kim, Kwangju (KR)**(21) Appl. No.: **13/201,216**(22) PCT Filed: **Feb. 26, 2009**(86) PCT No.: **PCT/KR09/00914**§ 371 (c)(1),
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E01C 5/12 (2006.01)(52) **U.S. Cl.** **404/17; 427/138**(57) **ABSTRACT**

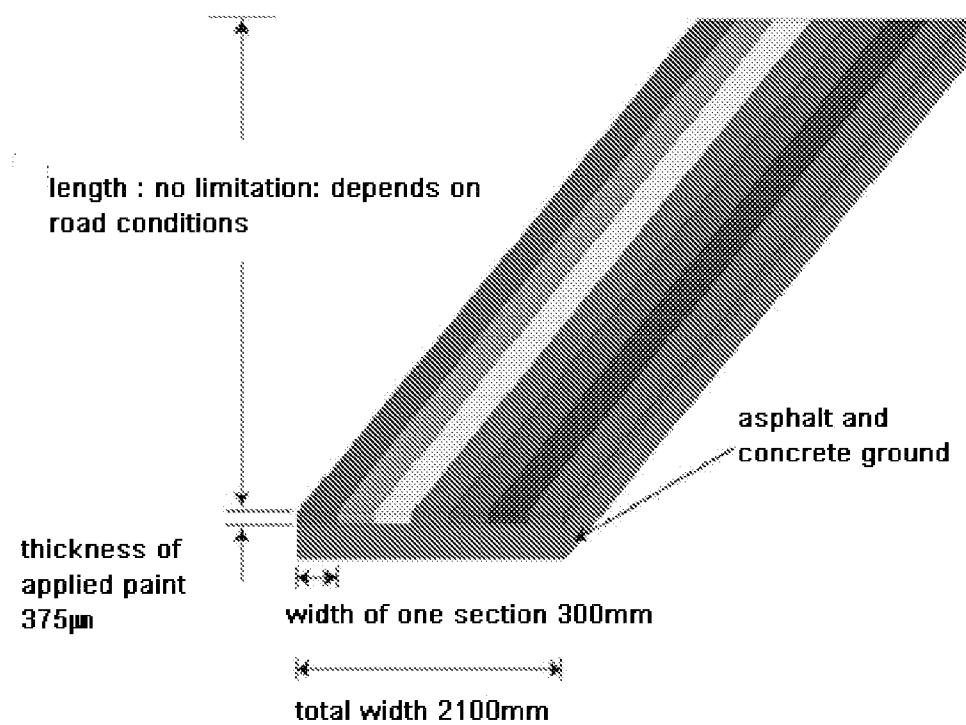
The present invention relates to construction and installation of a world standard rainbow highway in rainbow colors and a method thereof. A long-distance bicycle tour such as a round-the-world trip is impossible due to nonexistence of a standard bicycle route, which is sympathized by all people on the Earth, in the six continents of the world, and environmental destruction on the Earth is so serious that the glaciers of the Antarctic have been rapidly melting down. The world standard rainbow highway, which is sympathized by all people on the Earth, is constructed and installed on the six continents of the world including Korea so that the rainbow highway is used as a bicycle route, wherein a coloring method thereof includes a primary method of applying seven colors in the same way as paint for a red road is applied on the red section and a secondary method of manufacturing a structure formed or shaped like a rainbow highway in rainbow colors utilizing rubber and the like, and then constructing and installing the structure by covering or placing the structure over the existing road, and further wherein the width of each color including red is 300 mm and the total width of the rainbow highway is 2,100 mm, the thickness of road paint is 375 μ m, and the length of the rainbow highway installed depends on the situation of the corresponding road with limit. The environmentally-friendly new world standard rainbow highway enables anyone to take a comfortable bicycle tour over the world and contributes to prevention of global warming, the global peace movement, and the global environmental revival movement.

Revision under Article 26 of the Rules dated April 6, 2009



Revision under Article 26 of the Rules dated April 6, 2009

Fig. 1



CONSTRUCTION AND INSTALLATION OF A WORLD STANDARD RAINBOW HIGHWAY MADE OF RAINBOW COLORS AND METHOD THEREOF

TECHNICAL FIELD

[0001] The present invention relates to construction and installation of a world standard rainbow highway in rainbow colors and a method thereof.

[0002] The world standard rainbow highway is an eco-friendly campaign which encourages bicycle tour such as a round-the-world trip by utilizing a new world standard bicycle highway as stated in the title.

[0003] First, a coloring method for the highway includes a primary method that paints in rainbow colors (red, orange, yellow, green, blue, indigo and violet) are arranged and then a paint for a red road is applied on the red section, a paint for an orange road is applied on the orange section, a paint for a yellow road is applied on the yellow section, a paint for a green road is applied on the green section, a paint for a blue road is applied on the blue section, a paint for an indigo road is applied on the indigo section, and a paint for a violet road is applied on the violet section. In the case of a road made of ascon or water-proof urethane, the rainbow highway may also be constructed and installed in the same manner as above.

[0004] A secondary method includes manufacturing a structure formed or shaped like a rainbow highway in rainbow colors utilizing rubber or plastic and then constructing and installing the structure by covering or placing the structure over the existing road.

[0005] In terms of width, thickness and length of the highway, the width of each color including red is 300 mm and the total width of the rainbow highway is 2,100 mm, the thickness of road paint is 375 μ m, and the length of the rainbow highway installed depends on the situation of the corresponding road without limit.

BACKGROUND ART

[0006] Due to global warming, icecaps from the Alps and glaciers of the Antarctic are melting and thus the sea water rises and islands in the Pacific are disappearing from the Earth. Abnormal temperature results in disaster such as tsunami and the seawater temperature at the Korean Peninsula also rises and fish which usually inhabit in tropical regions appear in the sea of the Korean Peninsula.

[0007] It is becoming more and more difficult to drive since the oil price is skyrocketing. A solution for such high oil price and global warming is to ride a bicycle. However, there is no uniform world standard bicycle road which is cost-efficient.

[0008] The world standard rainbow highway enables anyone to enjoy the natural environment, and enliven his/her spirits, and contributes to global grand unification, eco-friendly revival movement and global peace movement.

[0009] Also, the world standard rainbow highway contributes to preservation of a beautiful earth and passing the earth to the future generations.

DISCLOSURE

Technical Problem

[0010] 1. There is no uniform standard bicycle road which is sympathized by all people on the earth.

[0011] 2. People may ride a bicycle along a semi-highway or national highway, but are exposed to smoke, noise and vehicles driving recklessly.

[0012] Thus, it is fearful to ride a bicycle.

[0013] 3. There is almost no road where people can ride a bicycle within Korea.

[0014] That also applies to outside Korea.

[0015] 4. A long-term travel such as two-day trip or round-the-world trip is impossible due to nonexistence of bicycle highway and map.

[0016] 5. Due to global warming, icecaps from the Alps and glaciers in the Antarctic are melting. The sea water rises and islands in the Pacific disappear from the Earth. Abnormal temperature results in disaster such as tsunami.

[0017] 6. Environmental disruption is becoming severe and the glaciers in the Antarctic are melting faster than expected and the sea water may rise unprecedentedly.

Technical Solution

[0018] 1. According to the present invention, the world standard rainbow highway is constructed and installed in the six continents (other multi-color highway is neither uniform nor standard).

[0019] 2. A new world standard rainbow highway is constructed to be used as the exclusive bicycle highway.

[0020] This enables people to travel all around the world riding a bicycle.

[0021] A coloring method for the highway includes a primary method that paints in rainbow colors including red, orange, yellow, green, blue, indigo and violet colors are arranged and then a paint for a red road is applied on the red section, a paint for an orange road is applied on the orange section, a paint for a yellow road is applied on the yellow section, a paint for a green road is applied on the green section, a paint for a blue road is applied on the blue section, a paint for an indigo road is applied on the indigo section, and a paint for a violet road is applied on the violet section. In the case of a road made of ascon or water-proof urethane, the rainbow highway may also be constructed and installed in the same manner as above.

[0022] A secondary method includes manufacturing a structure formed or shaped like a rainbow highway in rainbow colors utilizing rubber or plastic and then constructing and installing the structure by covering or placing the structure over the existing road.

[0023] 3. In terms of width, length and thickness of the highway, the width of each color including red is 300 mm and the total width of the rainbow highway is 2,100 mm, the thickness of road paint is 375 μ m, and the length of the rainbow highway installed depends on the situation of the corresponding road without limit.

[0024] 4. In the city, bicycle routes which are installed in both ways next to sidewalks are incorporated into the roadway (installation of two bicycle routes on both sides of the roadway is meaningless) and a single bicycle highway is constructed and installed.

[0025] 5. As the bicycle highway is next to the roadway, a boundary bar or safety bar is simultaneously installed for safety.

[0026] 6. In rural communities, existing farm roads are utilized in whole or in part and milestones for bicycle highways are promptly installed by each local government (flower roads are also installed).

[0027] 7. Also, the standard rainbow highway map is manufactured for people to travel across the country, or make round-the-world trip and other long-term travel (bicycle shops and accommodation facilities are established).

[0028] 8. Six rainbow highways are constructed in the six continents, including the Nile, the Hwang Ho, the Indus, the Tigris River and the Euphrates River and the Amazon.

[0029] The global environmental revival movement, and global peace movement are also implemented and developed, engaging the UN.

Advantageous Effect

[0030] 1. A new world standard rainbow highway is constructed and installed in uniform and standard shape to enable anyone to comfortably use and enjoy the bicycle riding.

[0031] 2. The new world standard rainbow highway creates new jobs and contributes to the world economy and to revival from the global financial crisis.

[0032] 3. Existing farm roads byroads are utilized to bring about a fast construction of the world standard rainbow highway and huge cost saving.

[0033] 4. Riding a bicycle is a great solution to a rising oil price.

[0034] This will save huge oil as a measure for high oil prices.

[0035] 5. People can be conscious of the beauty and importance of the nature, learn the history and enliven their spirits.

[0036] 6. People can go to the east, west, south and north riding a bicycle and this helps establish a basis for the global unification.

[0037] The world standard rainbow highway contributes to the world peace.

[0038] 7. Also, the world standard rainbow highway can be prepared for the global warming and save the earth from the disaster and the fall.

[0039] Such world standard rainbow highway should be well preserved to be passed to the future generations.

[0040] 8. The world standard rainbow highway makes great contribution to a beautiful earth and environmental friendliness and helps proceed with and develop the environmental revival movement and the global peace movement.

BRIEF DESCRIPTION OF DRAWINGS

[0041] A world standard rainbow highway, which is sympathized by all people from around the world including Korea and has a uniform and standard shape in beautiful rainbow colors, provides people with dream and hope, enables people to go to anywhere in the world by riding a bicycle and greatly contributes to the global peace movement and the environmental revival movement.

BEST MODE

[0042] A new world standard rainbow highway is constructed within and outside Korea to be utilized as a bicycle highway and enables people to enjoy the bicycle travel around the world including Korea.

[0043] A coloring method for the highway includes a primary method that paints in rainbow colors including red, orange, yellow, green, blue, indigo and violet colors are arranged and then a paint for a red road is applied on the red section, a paint for an orange road is applied on the orange

section, a paint for a yellow road is applied on the yellow section, a paint for a green road is applied on the green section, a paint for a blue road is applied on the blue section, a paint for an indigo road is applied on the indigo section, and a paint for a violet road is applied on the violet section. In the case of a road made of ascon or water-proof urethane, the rainbow highway may also be constructed and installed in the same manner as above.

[0044] A secondary method includes manufacturing a structure formed or shaped like a rainbow highway in rainbow colors utilizing rubber or plastic and then constructing and installing the structure by covering or placing the structure over the existing road.

[0045] In terms of width, thickness and length of the highway, the width of each color including red is 300 mm and the total width of the rainbow highway is 2,100 mm, the thickness of road paint is 375 μ m, and the length of the rainbow highway installed depends on the situation of the corresponding road without limit.

[0046] new world standard rainbow highway which is sympathized by anyone in the six continents including Korea is constructed and installed.

[0047] The rainbow highway is utilized as a bicycle highway.

[0048] A coloring method includes applying a paint for a red highway and applying other remaining color paints on the highway.

[0049] Paint in seven rainbow colors is applied on the highway.

[0050] A second method includes manufacturing a structure formed or shaped like a rainbow highway in rainbow colors utilizing rubber or ductile plastic and then constructing and installing the structure by covering or placing the structure over the existing road.

[0051] The width of each color including red is 300 mm and the total width of the rainbow highway is 2,100 mm, the thickness of road paint is 375 μ m, and the length of the rainbow highway installed depends on the situation of the corresponding road without limit.

INDUSTRIAL APPLICABILITY

[0052] 1. The world standard rainbow highway creates new jobs and overcomes the global financial crisis.

[0053] 2. A small but longest highway is constructed by people all around the world.

[0054] 3. A new world standard rainbow highway is constructed in a uniform shape.

[0055] Also, environmental revival movement, and the global peace movement are proceeded with and developed.

1. Construction and installation of a rainbow highway on existing roads or new roads by applying paint in rainbow colors (red, orange, yellow, green, blue, indigo and violet) to such roads.

2. Construction and installation of a rainbow highway by forming or shaping a structure in rainbow colors utilizing rubber or plastic and covering or placing the structure over the existing road.

3. Construction and installation of a rainbow highway by using various colors in the same ways as in claims 1 and 2.

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