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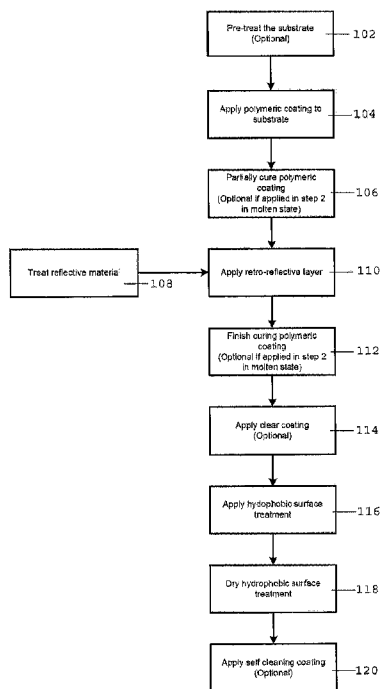
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(54) Title: METHOD AND SYSTEM FOR FORMING A REFLECTIVE SURFACE



(57) Abstract: The method and system of the present invention involves coating a substrate or material with both a polymeric powder coating material and a retro-reflective material and finally applying a surface treatment of hydrophobic nano-molecular particles. The polymeric powder coating material provides a tough, corrosion resistant protective layer on the substrate and also acts as a binder in which the retro-reflective material is subsequently embedded.



INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 12/25956

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - B32B 5/16 (2012.01)
USPC - 427/163.4, 214

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC(8): B32B 5/16 (2012.01)
USPC: 427/163.4, 214

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
additional USPC: 427/162, 427/163.1, 427/180, 427/212

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWEST(PGPB,USPT,USOC,EPAB,JPAB); Google Patents, Google

Search terms used: retro-reflective embedding water microns base, basic, carbon chain, interrupt or break, heating, molten, curing, glass microspheres, polymeric coating, depth, refractive index,hydrophobic, cleaning, self-cleaning, solvent, dissolve

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ----- Y	US 6,582,759 B1 (QUI et al.) 24 June 2003 (24.06.2003) col 4, ln 1-29; col 7, ln 1-22; col 17, ln 1-30; col 18, ln 1-44; col 21, ln 10-20	1, 4-5, 7, 10, 12, 15 and 19 ----- 2-3, 6, 8-9, 11, 13-14, 16-18 and 20
Y	US 2008/0145625 A1 (SCHUMACHER et al.) 19 June 2008 (19.06.2008) para [0087]; para [0121]	6, 8-9 and 16-18
Y	US 4,955,690 A (BACON, Jr.) 11 September 1990 (11.09.1990) col 5, ln 7-19	2-3, 11, 13-14 and 20
A	US 4,618,518 A (Pricone et al.) 21 October 1986 (21.10.1986)	1-20

Further documents are listed in the continuation of Box C.

* Special categories of cited documents:

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