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(54) **Title:** DIE-COAT MATERIAL CONFIGURED TO ENHANCE DEVICE RELIABILITY AND DEVICES AND PROCESSES IMPLEMENTING THE SAME

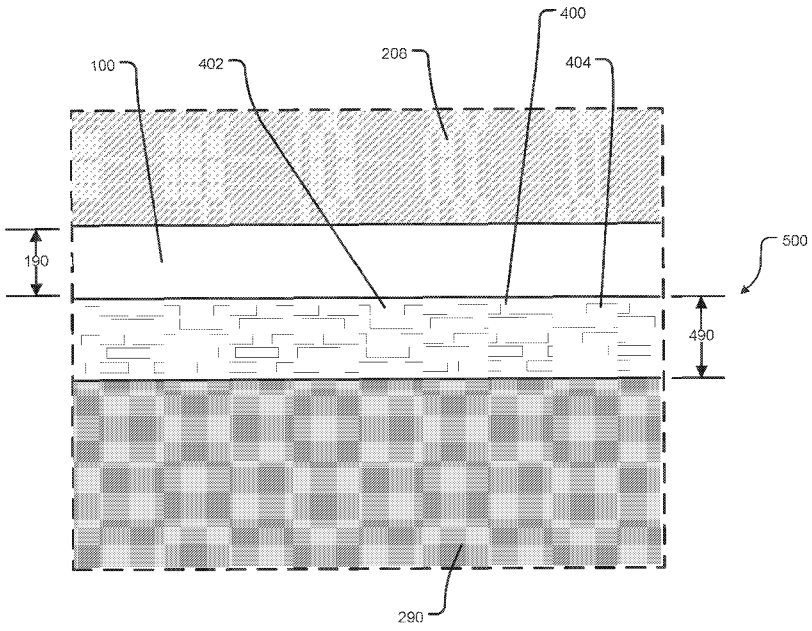


FIG. 9

(57) **Abstract:** A device includes device parts, a diamond-like based material coating arranged on one or more of the device parts. Additionally, the diamond-like based material coating may include at least one of a diamond-like carbon (DLC) material and/or a diamond-like nanocomposite (DLN) material.

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A. CLASSIFICATION OF SUBJECT MATTER

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CPC - INV. C23C 14/0605, C23C 14/0611, C23C 4/067, C01B 32/25
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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)
See Search History document

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
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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 2013/0282137 A1 (Voisard et al.) 24 October 2013 (24.10.2013); entire document, especially abstract, Fig 1-2, [0013]-[0015], [0022], [0046]-[0051]	1-9, 11-23, 25-37, 39-51, 53-56 ---------- 24, 52
X	US 2008/0220257 A1 (Dekempeneer) 11 September 2008 (11.09.2008); entire document, especially abstract, [0008], [0052], [0073]	1, 10, 29, 38
L	Shamsa et al., "Thermal conductivity of diamond-like carbon films" (2006), APPLIED PHYSICS LETTERS 89, 161921 2006 DOI: 10.1063/1.2362601; entire document, especially abstract	20, 48
Y	US 2008/0315101 A1 (Sung et al.) 25 December 2008 (25.12.2008); entire document, especially abstract, [0073]	24, 52
A	US 2015/0055030 A1 (Logitech Europe S.A.) 26 February 2015 (26.02.2015); entire document	1-56
A	US 2023/0083860 A1 (Honeywell Federal Manufacturing and Technologies LLC) 16 March 2023 (16.03.2023); entire document	1-56

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