CPC COOPERATIVE PATENT CLASSIFICATION

PERFORMING OPERATIONS; TRANSPORTING B (NOTES omitted)

MICROSTRUCTURAL TECHNOLOGY; NANOTECHNOLOGY

B82 NANOTECHNOLOGY

(NOTE omitted)

B82B NANOSTRUCTURES FORMED BY MANIPULATION OF INDIVIDUAL ATOMS, MOLECULES, OR LIMITED COLLECTIONS OF ATOMS OR MOLECULES AS DISCRETE UNITS; MANUFACTURE OR TREATMENT THEREOF

NOTES

- 1. This subclass does not cover chemical or biological nanostructures per se, provided for elsewhere, e.g. in classes C08 or C12.
- 2. Attention is drawn to the Note following the title of class B82, which defines the meaning of the terms "nanosize", "nanoscale" and "nanostructure" in this subclass.
- 3. Subject matter classified in this subclass is further classified in subclass B82Y, in order to enable a comprehensive search of nanostructure technology using classification symbols of B82Y in combination with classification symbols of B82B.

4. Nanostructures having specialised features or functions are further classified in appropriate places in other subclasses that provide for those features or functions, e.g. in G01Q, G02F 1/017, H01L 29/775.

1/00	Nanostructures formed by manipulation of individual atoms or molecules, or limited collections of atoms or molecules as discrete units
1/001	• {Devices without movable or flexible elements}
1/002	• {Devices comprising flexible or deformable elements}
1/003	• {Devices comprising elements which are movable in relation to each other, e.g. slidable or rotatable}
1/005	• {Constitution or structural means for improving the physical properties of a device}
1/006	• {Controlling the movement of the flexible or movable, e.g. slidable or rotatable, elements}
1/007	• {Processes for preserving or protecting existing structures}
1/008	• {Nanostructures not provided for in groups <u>B82B 1/001</u> - <u>B82B 1/007</u> }
3/00	Manufacture or treatment of nanostructures by manipulation of individual atoms or molecules, or limited collections of atoms or molecules as discrete units
3/0004	 {Apparatus specially adapted for the manufacture or treatment of nanostructural devices or systems or methods for manufacturing the same}
3/0009	• {Forming specific nanostructures}
3/0014	• • {Array or network of similar nanostructural elements}
3/0019	• • {without movable or flexible elements}
3/0023	• • {comprising flexible or deformable elements}
3/0028	• • {comprising elements which are movable in relation to each other, e.g. slidable or rotatable}
3/0033	• • {Manufacture or treatment of substrate-free structures, i.e. not connected to any support}
3/0038	 {Manufacturing processes for forming specific nanostructures not provided for in groups <u>B82B 3/0014</u> - <u>B82B 3/0033</u>}

3/	/0042 .	Assembling discrete nanostructures into
		nanostructural devices}
3/	/0047 .	• {Bonding two or more elements}
3/	/0052 .	• {Aligning two or more elements}
3/	/0057 .	• {Processes for assembling discrete
		nanostructures not provided for in groups
		<u>B82B 3/0047</u> - <u>B82B 3/0052</u> }
3/	/0061 .	{Methods for manipulating nanostructures}
3/	/0066 .	• {Orienting nanostructures}
3/	/0071 .	• {Sorting nanostructures}
3/	/0076 .	• {Methods for manipulating
		nanostructures not provided for in groups
		<u>B82B 3/0066</u> - <u>B82B 3/0071</u> }
3/	/008 .	Processes for improving the physical properties of
		a device}
3/	/0085 .	{Testing nanostructures}
3/	/009 .	{Characterizing nanostructures, i.e. measuring and
		identifying electrical or mechanical constants}
3/	/0095 .	Manufacture or treatments or nanostructures not
		provided for in groups <u>B82B 3/0009</u> - <u>B82B 3/009</u> }