CPC COOPERATIVE PATENT CLASSIFICATION

B PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

MICROSTRUCTURAL TECHNOLOGY; NANOTECHNOLOGY

B82 NANOTECHNOLOGY

(NOTE omitted)

B82Y SPECIFIC USES OR APPLICATIONS OF NANOSTRUCTURES; MEASUREMENT OR ANALYSIS OF NANOSTRUCTURES; MANUFACTURE OR TREATMENT OF NANOSTRUCTURES

NOTES

- 1. This subclass <u>covers</u> applications and aspects of nanostructures which are produced by any method, and is not restricted to those that are formed by manipulation of individual atoms or molecules.
- Attention is drawn to the Note following the title of class <u>B82</u>, which defines the meaning of the terms "nanosize", "nanoscale" and "nanostructure" in this subclass.
- 3. This subclass is intended to enable a comprehensive search of subject matter related to nanostructures by combination of classification symbols of this subclass with classification symbols from other subclasses. Therefore this subclass covers aspects of nanostructures that might also be entirely or partially covered elsewhere in the IPC.
- 4. This subclass is for secondary classification, i.e. obligatory supplementary classification of subject matter already classified as such in other classification places, e.g.:

<u>B82B</u> Nanostructures formed by individual manipulation of atoms, molecules, or limited collections

of atoms or molecules as discrete units; manufacture or treatment thereof

A61K 9/51 Nanocapsules for medicinal preparations

B05D 1/20 Langmuir-Blodgett films

Carbon nanostructures, e.g. bucky-balls, nanotubes, nanocoils, nanodoughnuts or nanoonions

G01Q Scanning probe techniques
G02F 1/017 Optical quantum wells or boxes
H01F 10/32 Nanostructured thin magnetic films
Molecular beam epitaxy [MBE]

H10D 30/43 Quantum wire FETs

5. The classification symbols of this subclass are not listed first when assigned to patent documents.

5/00 Nanobiotechnology or nanomedicine, e.g. protein engineering or drug delivery

10/00 Nanotechnology for information processing,

storage or transmission, e.g. quantum computing

or single electron logic

15/00 Nanotechnology for interacting, sensing or

actuating, e.g. quantum dots as markers in protein

assays or molecular motors

20/00 Nanooptics, e.g. quantum optics or photonic

crystals

25/00 Nanomagnetism, e.g. magnetoimpedance,

anisotropic magnetoresistance, giant

magnetoresistance or tunneling magnetoresistance

30/00 Nanotechnology for materials or surface science,

e.g. nanocomposites

35/00 Methods or apparatus for measurement or

analysis of nanostructures

40/00 Manufacture or treatment of nanostructures

99/00 Subject matter not provided for in other groups of

this subclass

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