Title (en)

METHOD AND DEVICE FOR FIXING MICRO- AND/OR NANO-OBJECTS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR FIXIERUNG VON MIKRO- UND/ODER NANOOBJEKTEN

Title (fr)

DISPOSITIF ET PROCEDE POUR FIXER DES MICRO-OBJETS ET/OU DES NANO-OBJETS

Publication

EP 0998666 A1 20000510 (DE)

Application

EP 99952118 A 19990520

Priority

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- EP 9903476 W 19990520

Abstract (en)

[origin: DE19823660C1] Process and assembly for fixing biochemically-active micro- and nano- micro-spheres (2) to a substrate (1). A process and assembly for fixing biochemically-active micro- and nano- micro-spheres (2) to a substrate (1). The micro-spheres (2) are charged into a funnel (5) whose internal volume is sub-divided into a number of passages whose cross-sectional area reduces towards the outlet (7) at the base. The diameter of the outlet (7) is such that only one micro-sphere (2) may be discharged at a time. The funnel (5) is pre-positioned as required at the substrate (1) surface and the spheres are presented to the surface by the pressure difference between the top and bottom of the funnel (5). The spheres are then fixed by chemical or physical means e.g. short exposure to UV light (13) to induce polymerization.

IPC 1-7

G01N 1/31

IPC 8 full level

G01N 33/53 (2006.01); **B01J 4/00** (2006.01); **B01J 19/00** (2006.01); **B01L 3/02** (2006.01); C40B 60/14 (2006.01)

CPC (source: EP US)

B01J 19/0046 (2013.01 - EP US); **B01L 3/0262** (2013.01 - EP US); B01J 2219/00369 (2013.01 - EP US); B01J 2219/00468 (2013.01 - EP US); B01J 2219/00646 (2013.01 - EP US); B01J 2219/00659 (2013.01 - EP US); C40B 60/14 (2013.01 - EP US)

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