

Title (en)  
MOLECULE ARRAYS AND METHOD FOR PRODUCING THE SAME

Title (de)  
MOLEKÜL-ARRAYS UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)  
RESEAUX DE MOLECULES ET SON PROCEDE D'OBTENTION

Publication  
**EP 1663473 A2 20060607 (DE)**

Application  
**EP 04761038 A 20040916**

Priority  
• AT 2004000316 W 20040916  
• AT 14552003 A 20030916  
• AT 3892004 A 20040305

Abstract (en)  
[origin: WO2005025737A2] The invention relates to assemblies for bonding molecules comprising bondable functional groups, which are present on a solid supporting material as individual molecular functional groups or multiple identical functional groups. Said assemblies are characterised in that the density of the individual functional groups or multiple functional groups on the solid supporting material is between  $10^{4-}$  and  $10^{10+}$  individual or multiple functional groups per  $\text{cm}^2$  and that there are no additional bondable functional groups within a selected distance d from any individual bondable functional group or multiple functional group for at least 95 % and in particular at least 99 % of the individual or multiple functional groups.

IPC 1-7  
**B01J 19/00; C12Q 1/68**

IPC 8 full level  
**B01J 19/00** (2006.01); **C40B 40/06** (2006.01); **C40B 40/10** (2006.01); **C40B 60/14** (2006.01)

CPC (source: EP US)  
**B01J 19/0046** (2013.01 - EP US); **B82Y 30/00** (2013.01 - EP US); **B01J 2219/00382** (2013.01 - EP US); **B01J 2219/00387** (2013.01 - EP US); **B01J 2219/00459** (2013.01 - EP US); **B01J 2219/00497** (2013.01 - EP US); **B01J 2219/005** (2013.01 - EP US); **B01J 2219/00527** (2013.01 - EP US); **B01J 2219/00576** (2013.01 - EP US); **B01J 2219/00585** (2013.01 - EP US); **B01J 2219/00596** (2013.01 - EP US); **B01J 2219/00605** (2013.01 - EP US); **B01J 2219/00612** (2013.01 - EP US); **B01J 2219/00617** (2013.01 - EP US); **B01J 2219/00626** (2013.01 - EP US); **B01J 2219/0063** (2013.01 - EP US); **B01J 2219/00637** (2013.01 - EP US); **B01J 2219/00648** (2013.01 - EP US); **B01J 2219/00659** (2013.01 - EP US); **B01J 2219/00677** (2013.01 - EP US); **B01J 2219/00711** (2013.01 - EP US); **B01J 2219/00716** (2013.01 - EP US); **B01J 2219/00722** (2013.01 - EP US); **B01J 2219/00725** (2013.01 - EP US); **B01J 2219/0074** (2013.01 - EP US); **C40B 40/06** (2013.01 - EP US); **C40B 40/10** (2013.01 - EP US); **C40B 60/14** (2013.01 - EP US)

Citation (search report)  
See references of WO 2005025737A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2005025737 A2 20050324; WO 2005025737 A3 20050818**; AT 501110 A1 20060615; EP 1663473 A2 20060607; US 2007087382 A1 20070419

DOCDB simple family (application)  
**AT 2004000316 W 20040916**; AT 3892004 A 20040305; EP 04761038 A 20040916; US 57145604 A 20040910