

Title (en)  
COLLOIDAL PARTICLES USED IN SENSING ARRAYS

Title (de)  
KOLLOIDAL-TEILCHEN ZUR VERWENDUNG IN SENSOR-ARRAYS

Title (fr)  
PARTICULES COLLOIDALES UTILISEES DANS UNE MOSAIQUE DE CAPTEURS

Publication  
**EP 1084390 A4 20050727 (EN)**

Application  
**EP 99931777 A 19990608**

Priority  
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• US 8868098 P 19980609  
• US 11883399 P 19990205

Abstract (en)  
[origin: WO0000808A2] A device for detecting a chemical analyte, said device comprising: a sensor array connected to a measuring apparatus having at least one sensor comprising regions of nonconductive material and conductive material compositionally different than said nonconductive material, wherein said conductive material comprises a nanoparticle; and a response path through said regions of nonconductive material and said conductive material.

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**G01N 1/00**

IPC 8 full level  
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CPC (source: EP)  
**B82Y 15/00** (2013.01); **G01N 27/126** (2013.01); **G01N 33/54373** (2013.01)

Citation (search report)  
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• [X] WO 9810289 A1 19980312 - PENN STATE RES FOUND [US], et al  
• [X] WO 9804740 A1 19980205 - UNIV NORTHWESTERN [US], et al  
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• See references of WO 0000808A2

Designated contracting state (EPC)  
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**US 9912904 W 19990608; AU 4821099 A 19990609; EP 99931777 A 19990608**