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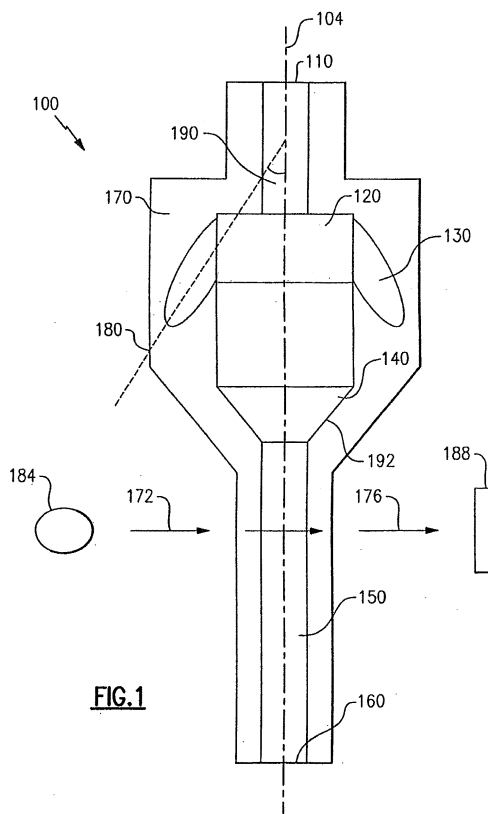
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(54) **Particle agglutination in a tip**

(57) An apparatus and a related method for performing particle agglutination reactions in a single, disposable probe tip are disclosed. The probe tip includes a sample cavity for sample acquisition, at least one flanking cavity for the capture of particles by centrifugation or other means, a transition zone for the mixing of the sample with reagents for agglutination and a detection zone for the optical detection of particle agglutination. A mechanism may be attached to the probe tip for the controlled movement of fluids through the internal volume of the probe tip. The probe tip is particularly useful for the automation of high-throughput agglutination-type assays.



**FIG.1**

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## EUROPEAN SEARCH REPORT

Application Number  
EP 13 15 9075

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 27 September 2013	Examiner Smith-Hewitt, Laura
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ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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摘要(译)

公开了一种用于在单个一次性探针尖端中进行颗粒凝集反应的装置和相关方法。探针尖端包括用于样品采集的样品腔，至少一个用于通过离心或其他方式捕获颗粒的侧翼腔，用于混合样品与用于凝集的试剂的过渡区和用于光学检测颗粒的检测区凝集。可以将机构附接到探针尖端，用于流体通过探针尖端的内部容积的受控移动。如上所述，探头尖端特别适用于高通量凝集型的自动化。

