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(54) **CSF SHUNT FLOW EVALUATION APPARATUS USING A CONFORMABLE EXPANDED DYNAMIC RANGE THERMOSENSOR**

CSF-SHUNT-FLUSSAUSWERTUNGSVORRICHTUNG MIT EINEM KONFORMEN
THERMOSENSOR MIT ERWEITERTEM DYNAMIKBEREICH

APPAREIL D'ÉVALUATION D'ÉCOULEMENT DE DÉRIVATION DE LIQUIDE
CÉPHALO-RACHIDIEN ET UTILISATION D'UN CAPTEUR THERMIQUE DE PLAGE DYNAMIQUE
EXPANSÉE ADAPTABLE

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专利名称(译)	Csf分流器评估装置使用适形的扩展动态范围热传感器		
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摘要(译)

一种利用热稀释来检测脑脊液 (CSF) 分流系统中的宽范围流速和/或流动状态的装置和方法。将大型冷源与特定结构的热传感器垫结合使用, 为流体流动分析仪提供了检测非常低水平的CSF流量的能力。另外, 示出了用于调节热稀释读数以补偿变化的分流导管深度的方法, 并且用于确定热稀释读数的稳态。热传感器垫适合于患者的皮肤轮廓, 从而使得该装置和方法对环境温度误差不太敏感, 并且因此在评估CSF流量时更准确。此外, 还提供软件错误检查, 用于识别不良的传感器到皮肤接触, 以警告操作员重新应用热传感器垫进行校正, 以及进行测试后检查以确定温度数据是否合理, 然后再确定流量状态或流量。

