

Title (en)

METHODS AND APPARATUS FOR CENTRIFUGAL LIQUID CHROMATOGRAPHY

Title (de)

VERFAHREN UND VORRICHTUNG FÜR ZENTRIFUGALE FLÜSSIGCHROMATOGRAPHIE

Title (fr)

PROCÉDÉS ET APPAREILS POUR CHROMATOGRAPHIE LIQUIDE PAR CENTRIFUGATION

Publication

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Application

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Abstract (en)

[origin: WO2010105185A1] Apparatus and methods related to centrifugal liquid chromatography are described. An angular velocity can be simultaneously imparted to a large number of chromatographic enclosures. Via centrifugal forces, a mobile phase fluid including a sample can be driven through a stationary phase within the chromatographic enclosure to perform a chromatographic separation process on components of the sample. The use of centrifugation as a driving force can allow significantly smaller stationary phase particles to be employed as compared to high performance liquid chromatography (HPLC). Further, for an equivalent chromatographic separation process, the use of centrifugation can provide much greater separation efficiencies than HPLC.

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Citation (search report)

- [A] US 4632762 A 19861230 - RAMSLAND ARNOLD [US]
- [X] DATABASE WPI Week 198901, Derwent World Patents Index; AN 1989-005881, XP002720913
- See references of WO 2010105185A1

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