

Title (en)

HOLLOW FIBER CULTURE DEVICE FOR IMPROVED NUTRIENT PERFUSION AND PRODUCT CONCENTRATION AND METHOD OF OPERATION.

Title (de)

ZÜCHTUNGSANORDNUNG MIT HOHLFASER ZUR VERBESSERTEN NAHRUNGSMITTELPERFUSION UND KONZENTRATION VON ERZEUGNISSEN UND BETRIEBSVERFAHREN.

Title (fr)

DISPOSITIF DE CULTURE A FIBRES CREUSES POUR AMELIORER LA PERFUSION DE SUBSTANCES NUTRITIVES ET LA CONCENTRATION DES PRODUITS, ET PROCEDE DE FONCTIONNEMENT.

Publication

EP 0198033 A4 19890209 (EN)

Application

EP 85905266 A 19851009

Priority

US 65855084 A 19841009

Abstract (en)

[origin: WO8602379A1] A hollow fiber culture device includes a first hollow fiber cartridge (12) and a second hollow fiber cartridge (14), the capillaries of which (18) are fluidly connected in series by a fluid connection (36) having a flow restriction therein (38). The flow restriction (38) provides a pressure drop between the capillaries of the first (18) and second (28) cartridges and provides back pressure to the capillaries of the first hollow fiber cartridge so that medium is perfused under ultrafiltrative conditions. The extracapillary space (34) of the first hollow fiber cartridge is fluidly connected to the extracapillary space of the second hollow fiber cartridge (14) so that waste- and product-containing medium is conveyed to the extracapillary space (34) of the second hollow fiber cartridge wherein the product is concentrated and the waste-containing medium is diffused into the lumen of the capillaries.

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Citation (search report)

- [Y] US 3969190 A 19760713 - HISE RALPH E, et al
- See references of WO 8602379A1

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