

Title (en)
CONTROLLED PROTEIN FRACTIONATION.

Title (de)
GESTEUERTE PROTEIN-FRAKTIONIERUNG.

Title (fr)
FRACTIONNEMENT CONTROLE DES PROTEINES.

Publication
EP 0028246 A4 19820329 (EN)

Application
EP 80901060 A 19801117

Priority
US 3603179 A 19790504

Abstract (en)
[origin: WO8002380A1] A controlled protein fractionation method in which a cold protein-containing solution is circulated in contact with one side of a membrane and the temperature is controlled by circulating a protein precipitant solution in contact with the opposite side of the membrane. The flow rate is increased and back pressure is exerted on the precipitant solution to cause it to penetrate the membrane, mix with the protein solution and precipitate protein in fine particles along an inside membrane wall. The precipitated protein may be concentrated and separated by centrifugation or diafiltration. The membrane is preferably in the form of a plurality of hollow fibers. Control of process variables increases yield and purity, decreases processing time and reduces degree of denaturization. The method is especially applicable to carrying out the Cohn cold alcohol fractionation process.

IPC 1-7
B01D 13/00; **C07G 7/00**; **C09H 7/00**

IPC 8 full level
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B01D 61/00 (2013.01); **B01D 61/145** (2013.01); **C07K 1/30** (2013.01); **C07K 14/765** (2013.01); **B01D 2311/04** (2013.01); **B01D 2311/10** (2013.01)

C-Set (source: EP)
B01D 2311/04 + **B01D 2311/2642**

Citation (search report)

- US 4142966 A 19790306 - PERRY ELI
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