

Title (en)  
SEAMLESS SOFT CAPSULE

Publication  
**EP 0228067 B1 19910918 (EN)**

Application  
**EP 86117918 A 19861223**

Priority  
JP 29718285 A 19851226

Abstract (en)  
[origin: EP0228067A2] A soft capsule composed of a plurality of cells coalesced to each other and filling substances encapsulated in the individual cells, the wall of at least one of the cells being formed of a material different from a material forming the wall of at least one of the other cells, and said capsule being seamless. The soft capsule can be produced by (a) preparing a plurality of composite jet streams each consisting of a stream of a film-forming liquid substance for forming a cell wall and within said stream of a film-forming liquid substance a single stream, or a plurality of independent streams, of a filling substance having flowability, the film-forming liquid substance in at least one of the composite jet streams being different from the film-forming liquid substance in at least one of the other composite jet streams, (b) advancing the plurality of composite jet streams in closely spaced relationship into and through a stream of a liquid medium substantially incapable of dissolving the film-forming liquid substance in the flowing direction of the liquid medium stream, (c) coalescing the adjacent composite jet streams to each other to form a single composite jet stream in the liquid medium stream, (d) cutting the single composite jet stream to a predetermined length successively from its leading end in the liquid medium stream, and (e) solidifying the cell walls of the resulting soft capsule.

IPC 1-7  
**A61J 3/07**

IPC 8 full level  
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CPC (source: EP)  
**A61J 3/07** (2013.01)

Cited by  
GB2338896A; GB2338896B; US8703182B2; US7025911B2; US6083523A; US5869077A; US5834001A; US5871767A; US5874099A; US5798113A; US5800828A; US5800829A; EP0585368A4; WO2004024057A1; WO2007066178A3; US7691407B2; US6960351B2; US6322804B1; US7670612B2; US6589551B1; US8361497B2; WO03094897A1; WO0154645A1; EP2781156B1; JP5105705B2; JPWO2003094897A1

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