

Title (en)  
SEAMLESS SOFT CAPSULE

Publication  
**EP 0228067 A3 19880601 (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  
**A61K 9/48** (2006.01); **A61J 3/07** (2006.01); **B01J 13/02** (2006.01); **B01J 13/14** (2006.01)

CPC (source: EP)  
**A61J 3/07** (2013.01)

Citation (search report)  
• [X] EP 0116311 A1 19840822 - MORISHITA JINTAN CO [JP], et al  
• [AP] PATENT ABSTRACTS OF JAPAN, Band 10, Nr. 350 (C-387)[2406], 26th November 1985; & JP-A-61 151 119 (TAISHO PHARMACEUT CO. LTD.) 09-07-1986  
• [A] PATENT ABSTRACTS OF JAPAN, vol. 9, no. 254 (C-308)[1977], 11th October 1985; & JP-A-60 109 520 (FUJISAWA YAKUHHIN KOGYO) 15-06-1985

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Designated contracting state (EPC)  
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0228067 A2 19870708; EP 0228067 A3 19880601; EP 0228067 B1 19910918;** AT E67401 T1 19911015; DE 3681572 D1 19911024; ES 2024418 B3 19920301; GR 3002754 T3 19930125; JP H06104193 B2 19941221; JP S62234542 A 19871014

DOCDB simple family (application)  
**EP 86117918 A 19861223;** AT 86117918 T 19861223; DE 3681572 T 19861223; ES 86117918 T 19861223; GR 910401365 T 19910919; JP 31075586 A 19861226