

Title (en)
METHOD FOR MAKING UNIFORMLY-SIZED PARTICLES FROM INSOLUBLE COMPOUNDS

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Application
EP 90912514 A 19900821

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Abstract (en)
[origin: EP0169618A2] The invention involves a method for making uniformly sized particles from water-insoluble drugs or other organic compounds. First, a suitable solid organic compound is dissolved in an organic solvent, and the solution can be diluted with a non-solvent. Then, an aqueous precipitating liquid is infused, precipitating non-aggregated particles with substantially uniform mean diameter. The particles are then separated from the organic solvent. Depending on the organic compound and the desired particle size, the parameters of temperature, ratio of non-solvent to organic solvent, infusion rate, stir rate, and volume can be varied according to the invention.

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IPC 8 full level
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Citation (search report)
• [E] US 4997454 A 19910305 - VIOLANTE MICHAEL R [US], et al
• [Y] EP 0147767 A2 19850710 - HOECHST AG [DE]
• [Y] GB 899667 A 19620627 - GLAXO LAB LTD
• See references of WO 9203380A1

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AT BE CH DE DK ES FR GB IT LI LU NL SE

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EP 0169618 A2 19860129; EP 0169618 A3 19880727; EP 0169618 B1 19900829; EP 0169618 B2 19931110; AU 4501285 A 19870122; AU 579166 B2 19881117; CA 1282405 C 19910402; CA 2089075 A1 19920222; EP 0544657 A1 19930609; EP 0544657 A4 19930804; JP H072209 B2 19950118; JP S6227032 A 19870205; KR 930701346 A 19930611; PT 80494 A 19851122; PT 80494 B 19870819; WO 9203380 A1 19920305

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EP 85201206 A 19850521; AU 4501285 A 19850715; CA 2089075 A 19900821; CA 481799 A 19850517; EP 90912514 A 19900821; JP 16041485 A 19850722; KR 930700500 A 19930220; PT 8049485 A 19850520; US 9004735 W 19900821