

Title (en)

ANIONIC SPRAY POLYMERIZATION OF STYRENE

Title (de)

VERFAHREN ZUR ANIONISCHEN SPRÜHPOLYMERISATION VON STYROL

Title (fr)

PROCEDE DE POLYMERISATION ANIONIQUE DE STYRENE PAR PULVERISATION

Publication

**EP 1915404 A1 20080430 (DE)**

Application

**EP 06764287 A 20060801**

Priority

- EP 2006064924 W 20060801
- DE 102005038037 A 20050809

Abstract (en)

[origin: WO2007017420A1] The invention concerns a process for continuous production of styrene polymers by anionic spray polymerization characterized in that i) styrene and the initiator solution are mixed in a dynamic or static mixer and subsequently spray dispensed, ii) the droplets formed transition from the liquid monomeric state into the molten polymeric state during their free fall in the spray tower, iii) the melt droplets are collected as a melt at the foot of the tower, the melt having a monomer content of below 1%, preferably below 0.1% (< 1000 ppm), and being discharged by means of a suitable apparatus.

IPC 8 full level

**C08F 2/00** (2006.01); **C08F 12/08** (2006.01)

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