

Title (en)

METHOD FOR CONTROLLED FREE RADICAL POLYMERIZATION

Title (de)

VERFAHREN ZUR KONTROLLIERTEN RADIKALISCHEN POLYMERISATION

Title (fr)

PROCEDE DE POLYMERISATION RADICALAIRE CONTROLEE

Publication

**EP 1581566 A1 20051005 (FR)**

Application

**EP 03813169 A 20031212**

Priority

- FR 0303680 W 20031212
- FR 0215888 A 20021213

Abstract (en)

[origin: FR2848556A1] A method of controlled radical polymerization, giving polymers with mol.wt. above 100000 g/mole with a polydispersity index below 1.2 for mol.wts. below 200000 and below 1.4 for mol.wts. above 200000, monomer conversion above 75% and polymerization time below 8 hours, using a organosulfur reversible chain transfer agent in which the flux of radical initiators in the polymerization medium is controlled An Independent claim is included for a hydrosoluble polymer of mol.wt. 250000 g/mole and polydispersity below 1.4 obtained by the method.

IPC 1-7

**C08F 2/38**; C08F 20/58

IPC 8 full level

**C08F 2/38** (2006.01)

CPC (source: EP US)

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DOCDB simple family (publication)

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