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(54) **MATERIAL INJECTION SCHEDULING METHOD FOR PRODUCING PRECURSOR HAVING CONCENTRATION GRADIENT**

MATERIALEINSPRITZPLANUNGSVERFAHREN ZUR HERSTELLUNG EINES VORLÄUFERS MIT KONZENTRATIONSGRADIENT

PROCÉDÉ DE PLANIFICATION D'INJECTION DE MATÉRIAU POUR LA PRODUCTION D'UN PRÉCURSEUR DE GRADIENT DE CONCENTRATION

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(56) References cited:
GB-A- 2 410 741 JP-A- 2002 352 855
JP-A- 2014 505 334 KR-A- 20090 082 288
KR-A- 20160 077 388 US-A1- 2016 118 662
US-A1- 2016 126 548 US-A1- 2017 179 485

• **STEVEN FERGUSON ET AL: "In-situ monitoring and characterization of plug flow crystallizers", CHEMICAL ENGINEERING SCIENCE, OXFORD, GB, vol. 77, 8 February 2012 (2012-02-08), pages 105 - 111, XP028500295, ISSN: 0009-2509, [retrieved on 20120224], DOI: 10.1016/J.CES.2012.02.013**

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