

Title (en)
PROCESS FOR PREPARING NANOPARTICLES OF TWO POLYAMINO ACIDS OF OPPOSITE CHARGE, ONE OF THE TWO OF WHICH IS IN CHARGE SURPLUS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON NANOPARTIKELN AUS ZWEI POLYAMINOSÄUREN VON GEGENSÄTZLICHER LADUNG, EINE DER BEIDEN MIT LADUNGSÜBERSCHUSS

Title (fr)
PROCEDE DE PREPARATION DE NANOPARTICULES DE DEUX POLYAMINO ACIDES DE CHARGE OPPOSEE, DONT L ' UN DES DEUX EST EN EXCES DE CHARGE

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Application
EP 11807786 A 20111216

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Abstract (en)
[origin: US2012156257A1] The present invention relates to a novel method for the preparation of nanoparticles with a diameter smaller than or equal to 500 nm, comprising bringing a solution (1) comprising nanoparticles of a first polyelectrolyte in the charged state, bearing hydrophobic side groups, together with (2) at least one second polyelectrolyte of opposite polarity to that of the first polyelectrolyte, characterized in that the ratio Z of the number of cationic groups relative to the number of anionic groups in the mixture of the two polyelectrolytes is comprised between 0.1 and 0.75 or between 1.3 and 2; and the total mass concentration C of polyelectrolytes is strictly less than 2 mg/g of the mixture.

IPC 8 full level
A61K 9/51 (2006.01); **A61K 9/00** (2006.01); **A61K 9/10** (2006.01); **A61K 31/00** (2006.01); **A61K 39/00** (2006.01); **A61K 47/48** (2006.01); **B82Y 5/00** (2011.01)

CPC (source: EP US)
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