

Title (en)
METHOD FOR SUSPENDING AND INTRODUCING SOLID MATTER IN A HIGH-PRESSURE PROCESS

Title (de)
VERFAHREN ZUR SUSPENDIERUNG UND EINSPEISUNG VON FESTSTOFFEN IN EINEN HOCHDRUCKPROZESS

Title (fr)
PROCEDE POUR METTRE EN SUSPENSION ET INTRODUIRE DES SUBSTANCES SOLIDES DANS DES PROCESSUS HAUTE PRESSION

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Abstract (en)
[origin: US2008034509A1] The invention relates to a method for suspending and introducing solid matter in a high-pressure process, for example colorant pigments in a high-pressure process, in which a supercritical fluid is used as the process medium and a pressure in excess of 150 bar prevails. According to the invention, the suspension of the solid matter takes place at a low-pressure in a completely separate suspension method. In the latter, the solid matter is suspended or partially dissolved in a non-critical, liquid gas. The pressure in said suspension method is less than 90% of the critical pressure of the liquid gas. The suspension is introduced into the high-pressure process by means of a pump.

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Cited by
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