

Title (en)  
PROCEDURE FOR PUMPING A GAS/LIQUID MIXTURE FROM AN OIL RECOVERY WELL AND DEVICE FOR CARRYING OUT SUCH METHOD

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Application  
**EP 90402660 A 19900927**

Priority  
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Abstract (en)  
[origin: US5173022A] The present invention relates to a process for pumping a two-phase gas/liquid mixture in an extraction well (11) whose initial gas percentage is greater than approximately 40% by volume, characterized in that it consists: in reducing the percentage of free gas to below 40% by the use of at least a first centrifugal separating module (3, 4); in cooling the drive motor by means of an annular flow of the mixture emerging from the first separating module (3, 4) around the motor (9), the proportion of gas in the said mixture having been brought down to below 40% in order to increase its heat capacity and its speed of passage around the motor; in reducing to below approximately 10% the percentage of gas by volume by the use of at least a second centrifugal separating module (14); in pumping the fluid thus obtained by means of a centrifugal pump (16) driven by the motor (9).

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