

Title (en)  
METHOD AND DEVICE FOR PREPARATION OF EMULSIONS

Publication  
**EP 0399041 A4 19910724 (DE)**

Application  
**EP 88908413 A 19880425**

Priority  
SU 8800099 W 19880425

Abstract (en)  
[origin: WO8910184A1] A method for preparing emulsions consisting in feeding the steam at a speed of 500-800 m/sec, injecting into the steam liquid components to be emulgated and transporting the two-phase steam-liquid mixture at a supersonic speed. A device for implementing the method comprises a cylindrical casing (1), an aerosol chamber (2), a steam nozzle (4), a mixing chamber (9), the steam nozzle being executed as a Laval nozzle and mounted with the possibility of axial movement, so that an injection zone (5) is created between the end-face of the steam nozzle (4) and the internal surface of the aerosol chamber (2), whereas the mixing chamber (9) has a convergent section (10) facing the Laval nozzle and merging into a cylindrical section (11), behind which is located the divergent section (12).

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CPC (source: EP)  
**B01F 25/3122** (2022.01); **B01F 25/31242** (2022.01)

Citation (search report)  
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• [A] GB 257274 A 19270616 - GEIGY AG J R  
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• See references of WO 8910184A1

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**SU 8800099 W 19880425**; BR 8807896 A 19880425; CN 89108138 A 19891024; DK 664389 A 19891222; EP 88908413 A 19880425; FI 896196 A 19891221; JP 50766588 A 19880425