

Title (en)
AN EJECTOR

Title (de)
AUSWERFER

Title (fr)
EJECTEUR

Publication
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Application
EP 13803928 A 20130416

Priority
• AU 2012902457 A 20120612
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Abstract (en)
[origin: WO2013185164A1] The present disclosure provides an ejector that comprises a housing portion and first and second fluid inlets. The ejector further comprises a fluid outlet and a fluid nozzle that is positioned in the housing and coupled to the first fluid inlet. The fluid nozzle is arranged such that a first fluid that is received by the first inlet at a first pressure P1 has a second pressure P2 after passing through the fluid nozzle. The pressure P2 lower than the pressure P1. The ejector also comprises a mixing region that is arranged such that the first fluid when passing through the mixing region draws a second fluid from the second fluid inlet such that the first and second fluids mix. The ejector has an ejector diffuser region that has a cross-sectional area that increases in diameter in a direction towards the fluid outlet and is arranged such that the mixture of the first and second fluid exits the ejector through the fluid outlet with a third pressure. The ejector is arranged such that a position of an outlet of the fluid nozzle relative to the mixing region is adjusted dependent on P1, P2 and/or P3.

IPC 8 full level
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Citation (search report)
• [X1] US 1421842 A 19220704 - SCHMIDT HENRY F
• [X1] US 1421843 A 19220704 - SCHMIDT HENRY F
• [A] SU 1710857 A1 19920207 - UFIMSK NEFTYANOJ INST [SU]
• See references of WO 2013185164A1

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