

Title (en)

NOZZLE MODULE FOR AN ENERGY CONVERTER

Title (de)

DÜSENMODUL FÜR EINEN ENERGIEWANDLER

Title (fr)

MODULE DE BUSE DESTINÉ À UN CONVERTISSEUR D'ÉNERGIE

Publication

EP 2978940 A1 20160203 (DE)

Application

EP 15723699 A 20150519

Priority

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- EP 2015060971 W 20150519

Abstract (en)

[origin: CA2949406A1] The invention relates to a nozzle module (1) for an energy converter, in particular for a power plant, comprising a first nozzle (2) for introducing a propellant fluid into a mixing chamber (3) and an introduction opening (4) for introducing a suction fluid into the mixing chamber (3), wherein the mixing chamber (3) has a geometry for the flow-intensifying combination of the propellant fluid and the suction fluid in the mixing chamber (3). In order to specify a nozzle module (1) which effects an increase in the efficiency of the power plant, a vapor pressure of the propellant fluid before the first nozzle (2) according to the invention is lower than a vapor pressure of the suction fluid before the introduction opening (4), and a gas pressure in the mixing chamber (3) in a region (6) after the first nozzle (2) is lower than a gas pressure in the mixing chamber (3) in a region (7) after the introduction opening (4).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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