

Title (en)

EJECTOR FOR A HEAT RECOVERY OR WORK RECOVERY SYSTEM AND FLUID MIXING METHOD

Title (de)

EJEKTOR FÜR EIN WÄRMERÜCKGEWINNUNGS- ODER ARBEITSRÜCKGEWINNUNGSSYSTEM UND FLUIDMISCHVERFAHREN

Title (fr)

ÉJECTEUR POUR UN SYSTÈME DE RÉCUPÉRATION DE CHALEUR OU DE RÉCUPÉRATION DE TRAVAIL ET PROCÉDÉ DE MÉLANGE DE FLUIDE

Publication

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Application

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Priority

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Abstract (en)

[origin: EP3858472A1] An ejector (80) for a heat recovery or work recovery system, a heat recovery or work recovery system, and a method of mixing fluids in a heat recovery or work recovery system are provided by the present disclosure. The ejector includes: a high-pressure fluid passage (1) including a high-pressure fluid inlet (11) and a high-pressure fluid nozzle (12); a suction fluid passage (2) including a suction fluid inlet (21) and a suction chamber (22) surrounding the high-pressure fluid nozzle; a mixing chamber (3) in fluid communication with the high-pressure fluid passage and the suction fluid passage respectively; and a diffusion chamber (4) downstream of the mixing chamber; wherein a front end of an outer wall of the high-pressure fluid nozzle has an arc-shaped rounded portion. The ejector according to the embodiment of the present disclosure has improved efficiency.

IPC 8 full level

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