

Title (en)

EJECTOR, EJECTOR PRODUCTION METHOD, AND METHOD FOR SETTING OUTLET FLOW PATH OF DIFFUSER

Title (de)

EJEKTOR, EJEKTORHERSTELLUNGSVERFAHREN UND VERFAHREN ZUR EINSTELLUNG DES AUSGANGSTRÖMUNGSWEGS EINES DIFFUSORS

Title (fr)

ÉJECTEUR, PROCÉDÉ DE FABRICATION D'ÉJECTEUR ET PROCÉDÉ POUR DÉFINIR UN TRAJET D'ÉCOULEMENT DE SORTIE D'UN DIFFUSEUR

Publication

**EP 3438466 A1 20190206 (EN)**

Application

**EP 17773767 A 20170215**

Priority

- JP 2016074570 A 20160401
- JP 2017005469 W 20170215

Abstract (en)

An ejector 10 includes a nozzle 20, a suction chamber 30, and a diffuser 40. An outlet flow path 50 includes a narrowed flow path 51 having a first tapered surface 54 narrowed toward downstream, a parallel flow path 52 having a constant sectional area, and a parallel flow path 52 having a second tapered surface 55 expanded toward downstream. The diffuser 40 further includes an attachment 42 configured to change the dimensions of the outlet flow path 50. The attachment 42 changes the dimensions of the outlet flow path 50 such that the ratio of the tapered angle  $\pm$  of the first tapered surface 54 to the tapered angle  $\pm$  of the second tapered surface 55 is higher as the sectional area, i.e., the inner diameter D, of the parallel flow path 52 is smaller.

IPC 8 full level

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CPC (source: EP US)

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