

Title (en)
VACUUM EJECTOR WITH MULTI-NOZZLE DRIVE STAGE

Title (de)
VAKUUMEJEKTOR MIT MEHRFACHDÜSEN-ANTRIEBSSTUFE

Title (fr)
ÉJECTEUR À VIDE DOTÉ D'UN ÉTAGE D'ENTRAÎNEMENT À TUYÈRES MULTIPLES

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Application
EP 12813860 A 20121221

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EP 2012076673 W 20121221

Abstract (en)
[origin: WO2014094878A1] So as to reduce its size, the invention provides a multistage ejector for generating a vacuum across a first, drive stage comprising a drive nozzle array for generating drive flow of air from a compressed air source, the drive nozzle array including two or more nozzles arranged to feed respective air jets together substantially directly into a common outlet of the drive stage so as to entrain air in a volume surrounding the air jets into the drive flow in order to generate a vacuum across the drive stage, the outlet of the drive stage being the inlet of a converging-diverging nozzle of a second stage, the converging-diverging nozzle being arranged to direct said air as a second stage air jet substantially directly into an outlet of the second stage so as to entrain air in a volume surrounding the second stage air jet into the flow in order to generate a vacuum across the second stage.

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See references of WO 2014094878A1

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