

Title (en)
EXPANDER AND HEAT PUMP USING THE SAME

Title (de)
EXPANSIONSVORRICHTUNG UND DIESE VERWENDENDE WÄRMEPUMPE

Title (fr)
EXPANSEUR ET POMPE DE CHALEUR L'UTILISANT

Publication
EP 1953337 A4 20110330 (EN)

Application
EP 06822522 A 20061027

Priority

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Abstract (en)
[origin: EP1953337A1] An expander of the invention includes: n-number of rotary type fluid mechanisms (where n is an integer equal to or greater than 2), a first suction port (41b) for sucking a working fluid into a suction-side space (55a) of a first fluid mechanism (41), a communication port (43a) connecting a discharge-side space (55b) of a k-th fluid mechanism (where k is an integer from 1 to n-1) and a (k + 1)-th suction-side space (56a) to form a single space, and a discharge port (51a) for discharging the working fluid from the discharge-side space of an n-th fluid mechanism. The expander further includes a second suction port (72f) being capable of changing its connecting position to the suction-side space (55a) of the first fluid mechanism (41), for sucking the working fluid into the suction-side space (55a).

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