

Title (en)  
PNEUMO-HYDRAULIC CONVERTER FOR ENERGY STORAGE

Title (de)  
PNEUMO-HYDRAULISCHER WANDLER FÜR ENERGIESPEICHERUNG

Title (fr)  
CONVERTISSEUR PNEUMO-HYDRAULIQUE POUR ACCUMULER L'ENERGIE

Publication  
**EP 0857256 A1 19980812 (DE)**

Application  
**EP 96934298 A 19961101**

Priority

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Abstract (en)  
[origin: US6145311A] PCT No. PCT/CH96/00386 Sec. 371 Date May 1, 1998 Sec. 102(e) Date May 1, 1998 PCT Filed Nov. 1, 1996 PCT Pub. No. WO97/17546 PCT Pub. Date May 15, 1997In order to maintain high efficiency close, to isothermy despite high frequencies in a pneumo-hydraulic converter with reciprocating pistons, pipe cluster-heat exchange pipes (38) are provided in the gas working chambers of the converter and the exchange fluid in the pipes is kept at approximately ambient temperature. For this the gas working chambers must be arranged axially next to one another and, in order to eliminate dead space, connected in pairs by conical exchange valves (12a/12b) which take in the entire wall thickness of the valve flange (5a/5b) dividing the air chambers.

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IPC 8 full level  
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