

Title (en)  
CONDENSER

Title (de)  
KONDENSATOR

Title (fr)  
CONDENSEUR

Publication  
**EP 2997318 A1 20160323 (DE)**

Application  
**EP 14723838 A 20140515**

Priority  
• DE 102013209157 A 20130516  
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Abstract (en)  
[origin: WO2014184323A1] The invention relates to a condenser (1, 1a, 70, 80, 100) of stacked-plate design, having a first flow duct (25, 25a, 80, 87) for a refrigerant and having a second flow duct (28, 26a, 32, 42, 52, 85) for a coolant, wherein a multiplicity of disk elements is provided, said disk elements, stacked one on top of the other, forming mutually adjacent ducts between the disk elements, wherein a first number of the ducts is assigned to the first flow duct (25, 25a, 60, 87) and a second number of the ducts is assigned to the second flow duct (26, 26a, 32, 42, 52, 85), wherein the first flow duct (25, 25a, 60, 87) has a first region (3, 72, 81) for extraction of heat from and condensation of the vaporous refrigerant and has a second region (4, 71, 82) for supercooling of the condensed refrigerant, having an accumulator (2) for storing a refrigerant, wherein a refrigerant passage from the first region (3, 72, 81) to the second region (4, 71, 82) leads through the accumulator (2), wherein the accumulator (2) is in fluid communication with the first region (3, 72, 81) by way of a first connection element which forms a first fluid connection of the accumulator (2), wherein the accumulator (2) is in fluid communication with the second region (4, 71, 82) by way of a second connection element which forms a second fluid connection of the accumulator (2), and wherein the first connection element and/or the second connection element are/is formed by a pipe (5, 101, 125, 140, 150) which extends through a number of disk elements through openings in the disk elements.

IPC 8 full level  
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Cited by  
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