

Title (en)  
Evaporator Installation for a Heat Pump

Title (de)  
Verdampfungsanlage für eine Wärmepumpe

Title (fr)  
Installation d'évaporation pour une pompe à chaleur

Publication  
**EP 1541946 B1 20080820 (EN)**

Application  
**EP 04101755 A 20040427**

Priority  
KR 20030090470 A 20031212

Abstract (en)  
[origin: EP1541946A1] A refrigeration apparatus generating cooling air, including an evaporator (20) having a coolant tube (23) with a plurality of bending parts, and heat exchange fins (30) formed with at least one coolant tube accommodating part (31) coupling with the coolant tube. The refrigeration apparatus also has a defrosting unit (40) adjacent to the evaporator (20) to remove frost formed on the evaporator, and each heat exchange fin (30) is inclined at an inclination angle so that a longitudinal direction of the heat exchange fin forms an acute angle relative to a vertical direction to enable the water drops defrosted by the defrosting unit (40) to flow downward to a bottom end (33) of the heat exchange fin (30). Opposite sides of each heat exchange fin have rounded corner parts (35). As described above, the evaporator has better performance and reduces power consumption. <IMAGE>

IPC 8 full level  
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CPC (source: EP KR US)  
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