

Title (en)  
REFRIGERANT CONDENSER

Title (de)  
KÄLTEMITTELKONDENSATOR

Title (fr)  
CONDENSEUR A AGENT REFRIGERANT

Publication  
**EP 1436556 B1 20070418 (DE)**

Application  
**EP 02800552 A 20020823**

Priority  
• DE 10149798 A 20011009  
• EP 0209422 W 20020823

Abstract (en)  
[origin: US2004244410A1] The invention relates to a condenser (1) comprising an integrated collector (5) which is arranged parallel to one of the collector tubes (2) and is connected to said connector tube via two overflow openings (8 and 9). Said collector (5) is used to receive a drying/filtering unit (11). The condenser (1), consisting of tubes (3), ribs (4) and collector tubes (2), is produced by welding. According to the invention, the drying/filtering unit (11) is introduced into the collector (5) before the welding process and is positioned therein or connected thereto in a fixed manner. The collector (5) is then closed and the entire condenser (1) is welded. The connection between the drying/filtering unit (11) and the collector (5) is thus carried out before or during the welding process by means of welding. The invention is preferably used for air conditioning systems in motor vehicles.

IPC 8 full level  
**F25B 39/04** (2006.01); **F25B 43/00** (2006.01)

CPC (source: EP US)  
**F25B 39/04** (2013.01 - EP US); **F25B 43/003** (2013.01 - EP US); **F25B 2339/0441** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)  
**US 2004244410 A1 20041209; US 7043936 B2 20060516**; AT E360178 T1 20070515; DE 10149798 A1 20030410; DE 50209991 D1 20070531; EP 1436556 A1 20040714; EP 1436556 B1 20070418; WO 03031885 A1 20030417

DOCDB simple family (application)  
**US 49219004 A 20040409**; AT 02800552 T 20020823; DE 10149798 A 20011009; DE 50209991 T 20020823; EP 0209422 W 20020823; EP 02800552 A 20020823