

Title (en)  
Shelf-type heat exchanger

Title (de)  
Wärmetauscher vom Regaltyp

Title (fr)  
Echangeur de chaleur de type étagère

Publication  
**EP 1239244 A1 20020911 (EN)**

Application  
**EP 01830154 A 20010307**

Priority  
EP 01830154 A 20010307

Abstract (en)  
A manufactured article (10) for the manufacture of a heat exchanger having at least four shelves, the said manufactured article (10) being formed by at least one plate (18a, 18b) and a coil (20) and comprising a first and a second head portion (11, 12), foldable along fold lines (1e, 1f) to form respective shelves, and a central element (13), wherein the said central element (13) comprises at least two flat elements (15a, 15b), foldable along fold lines (1d, 1m) to form respective shelves, and at least one brace (14, 14a, 14b) providing connection between the said first and second head portions (11, 12), the said coil (20) defining a fluid path along the said first and second head portions (11, 12), along the said at least one brace (14, 14a, 14b) and along the said at least two flat elements (15a, 15b), the said coil (20) being produced in a single length. A method for the manufacture of a heat exchanger having at least four shelves by folding the manufactured article (10) and a heat exchanger having at least four shelves thus obtained. <IMAGE>

IPC 1-7  
**F25D 25/02**; **F25B 39/02**

IPC 8 full level  
**F25B 39/02** (2006.01); **F25D 25/02** (2006.01); **F28F 3/14** (2006.01)

CPC (source: EP)  
**F25B 39/024** (2013.01); **F25D 25/028** (2013.01); **F28F 3/14** (2013.01)

Citation (search report)  
• [XY] DE 2060796 A1 19720629 - SCHMOELE METALL R & G  
• [Y] GB 1375335 A 19741127  
• [Y] EP 0843138 A1 19980520 - OCEAN SPA [IT]  
• [Y] DE 4442817 A1 19960605 - KRUPP VDM GMBH [DE]  
• [A] US 3165150 A 19650112 - HURST ARNOLD U, et al  
• [A] FR 2574532 A1 19860613 - SUEDEDEUTSCHE KUEHLER BEHR [DE]

Cited by  
EP1843103A3; ITTO20091008A1

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