

Title (en)  
Fired heat exchanger bundle

Title (de)  
Gebranntes Wärmetauscherbündel

Title (fr)  
Faisceau d'échangeur thermique à combustible

Publication  
**EP 1983272 A1 20081022 (EN)**

Application  
**EP 07007894 A 20070418**

Priority  
EP 07007894 A 20070418

Abstract (en)  
The invention solves the problem of heat exchanger bundle design, made of extruded profiles ( 1 ) with maintaining the outer circumference ( V ) to height ( H ) ratio in the range from 2.5 to 12, that means  $V/H = 2.5 \div 12$ , and maintaining the cross section area sum ( F ) to outer circumference ( V ) ratio in the range from 1 to 5, that means  $F/V = 1 \div 5$ , giving the form of flow slots ( 2 ) characterized by width ( s ) to height ( h ) ratio in the range from 0.005 to 0.1, that means  $s/h = 0.005 \div 0.1$ .

IPC 8 full level  
**F24H 1/40** (2006.01); **F28F 1/02** (2006.01); **F28F 1/42** (2006.01)

CPC (source: EP)  
**F24H 1/38** (2013.01); **F28F 1/022** (2013.01); **F28F 1/06** (2013.01); **F28F 1/42** (2013.01); **F28F 1/426** (2013.01); **F28F 2255/16** (2013.01)

Citation (search report)  
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• [A] EP 1746174 A1 20070124 - DENSO CORP [JP], et al  
• [A] WO 2006128684 A1 20061207 - HYDROGEN RES AG [AT], et al  
• [A] WO 2004036121 A1 20040429 - REALISATION MECANIQUE ENGENEE [FR], et al

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
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