

Title (en)  
Stirling cooler

Title (de)  
Stirling-Kühlanlage

Title (fr)  
Refroidisseur Stirling

Publication  
**EP 1559968 A2 20050803 (EN)**

Application  
**EP 04016097 A 20040708**

Priority  
KR 20040005674 A 20040129

Abstract (en)  
Disclosed is a stirling cooler, in which a cylinder(54) is fixedly installed in a case(50), a flange(55) is protruded perpendicularly from an outer surface of the cylinder(54) in a radial direction of the cylinder(54), a stair(51,51') on which the flange(55) is seated is installed in the case(50) in an axial direction of the cylinder(54), and a packing(70) is interposed between the stair(51,51') of the case(50) and the flange(55) of the cylinder(54), thereby preventing the packing(70) from influencing an axis of the cylinder(54) and thus maintaining the sealed state between the case(50) and the cylinder(54).

IPC 1-7  
**F25B 9/14**

IPC 8 full level  
**F25B 9/00** (2006.01); **F25B 9/14** (2006.01)

CPC (source: EP KR US)  
**A62B 1/02** (2013.01 - KR); **A62C 27/00** (2013.01 - KR); **B66F 17/006** (2013.01 - KR); **F25B 9/14** (2013.01 - EP US);  
**F25B 2500/221** (2013.01 - EP US)

Citation (applicant)  
• US 6327862 B1 20011211 - HANES MARK [US]  
• KR 20030066144 A 20030809 - LG ELECTRONICS INC [KR], et al

Designated contracting state (EPC)  
DE FR GB NL

DOCDB simple family (publication)  
**EP 1559968 A2 20050803**; **EP 1559968 A3 20060607**; **EP 1559968 B1 20091118**; CN 100554822 C 20091028; CN 1648553 A 20050803;  
DE 602004024165 D1 20091231; JP 2005214610 A 20050811; KR 100565522 B1 20060330; KR 20050078293 A 20050805;  
US 2005166604 A1 20050804

DOCDB simple family (application)  
**EP 04016097 A 20040708**; CN 200410062853 A 20040624; DE 602004024165 T 20040708; JP 2004197082 A 20040702;  
KR 20040005674 A 20040129; US 84905204 A 20040520