

Title (en)  
PROCESS FOR COOLING SPACES

Publication  
**EP 0308856 B1 19920304 (DE)**

Application  
**EP 88115356 A 19880919**

Priority  
• DE 3731800 A 19870922  
• DE 3732792 A 19870929  
• DE 3733671 A 19871005

Abstract (en)  
[origin: EP0308856A2] In the process, the energy exchange between warm space air and cold air takes place by self-convection of the air by means of a chute arranged in the space, which has cooling surfaces in its upper part, on which the warm space air entering cools down and flows downwards because of the specific weight difference. The cooled air leaves the chute at the lower end in a laminar flow and then spreads out in the space in a continuous cooling layer. The air leaving the chute can also be diverted into a hollow floor. It is possible to add to the cooled air flow moved by gravity disturbance air produced by a fan, which then results in turbulence.

IPC 1-7  
**F24F 5/00**; **F24F 7/04**

IPC 8 full level  
**F24F 5/00** (2006.01); **F24F 7/04** (2006.01); **F24F 13/30** (2006.01)

CPC (source: EP US)  
**F24F 7/04** (2013.01 - EP US); **F24F 13/30** (2013.01 - EP US); **F24F 2007/004** (2013.01 - EP US)

Cited by  
DE19806207A1; DE19806207C2; DE10016091C5; DE102016125735A1; DE19526872A1; DE4142142A1; DE19509312A1; DE19509312C2; DE19525945A1; DE19525945C2; DE102016125735B4; WO9528604A1

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