

Title (en)
COOLING DEVICE

Title (de)
KÜHLVORRICHTUNG

Title (fr)
DISPOSITIF DE REFROIDISSEMENT

Publication
EP 2245390 A1 20101103 (EN)

Application
EP 08806791 A 20081023

Priority
• GB 2008050984 W 20081023
• GB 0720939 A 20071024

Abstract (en)
[origin: WO2009053746A1] A cooling device is based on the cooling effect exhibited by high-voltage, 4 4.5kV, unidirectional pulses discharging across a spark gap (2-13) in less than 100 ns. The cooling effect is extended spatially by an emitter (2-12) comprising two (3-2,3-4) coaxial metallic tubes that are electrically isolated from the spark gap electrodes. Such a device is particularly suitable for air conditioning in both residential and transport applications.

IPC 8 full level
F25B 21/00 (2006.01)

CPC (source: EP US)
F25B 21/00 (2013.01 - EP US); **F25B 2321/003** (2013.01 - EP US); **Y02B 30/00** (2013.01 - EP US)

Citation (search report)
See references of WO 2009053746A1

Designated contracting state (EPC)
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Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
WO 2009053746 A1 20090430; AU 2008315755 A1 20090430; CN 101910755 A 20101208; CN 101910755 B 20130529; EP 2245390 A1 20101103; GB 0720939 D0 20071205; JP 2011502238 A 20110120; US 2010242498 A1 20100930

DOCDB simple family (application)
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