

Title (en)
PROTECTING DEVICE

Title (de)
SCHUTZVORRICHTUNG

Title (fr)
DISPOSITIF DE PROTECTION

Publication
EP 1682753 A1 20060726 (EN)

Application
EP 04793867 A 20041027

Priority
• SE 2004001567 W 20041027
• SE 0302836 A 20031027

Abstract (en)
[origin: WO2005042935A1] A protecting device for a reservoir (2) disposed on a vehicle (1) and intended to contain a medium. The device comprises a means (5) disposed inside the reservoir (2), in the form of at least one solid body, for deterring relative movement, given the presence of said medium in frozen form in the reservoir (2), between said frozen medium and the reservoir during transport of the vehicle (1).

IPC 8 full level
F01N 3/02 (2006.01); **F01N 3/20** (2006.01)

CPC (source: EP US)
F01N 3/2066 (2013.01 - EP US); **F01N 2610/02** (2013.01 - EP US); **F01N 2610/1406** (2013.01 - EP US); **Y02A 50/20** (2017.12 - EP US); **Y02T 10/12** (2013.01 - EP US); **Y10T 137/86381** (2015.04 - EP US)

Citation (search report)
See references of WO 2005042935A1

Citation (examination)
• US 6178991 B1 20010130 - SCHIWEK HELMUT [DE]
• FR 2122792 A5 19720901 - CME
• EP 1128123 A1 20010829 - LINDE AG [DE]
• US 5960981 A 19991005 - DODSON GARY M [US], et al

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

DOCDB simple family (publication)
WO 2005042935 A1 20050512; BR PI0415907 A 20070410; CN 100445521 C 20081224; CN 1846042 A 20061011; EP 1682753 A1 20060726; SE 0302836 D0 20031027; SE 0302836 L 20050428; SE 525987 C2 20050607; US 2006196560 A1 20060907

DOCDB simple family (application)
SE 2004001567 W 20041027; BR PI0415907 A 20041027; CN 200480025636 A 20041027; EP 04793867 A 20041027; SE 0302836 A 20031027; US 30874104 A 20041027