

Title (en)
IMPROVED CONTAINER CANDLE

Title (de)
VERBESSERTES LICHT FÜR EINEN BEHÄLTER

Title (fr)
CHANDELLE A RECIPIENT AMELIORE

Publication
EP 1807658 A1 20070718 (EN)

Application
EP 05818229 A 20051101

Priority
• US 2005039250 W 20051101
• US 97864604 A 20041101

Abstract (en)
[origin: US2006093979A1] The present invention relates to container candles, such as melting plate candles, which employ heat conductive elements to distribute heat from a burning flame at a wick to a support plate for a solid fuel and to the body of said solid fuel, so as to more rapidly liquefy the solid fuel, such as paraffin wax, and to more uniformly and intensely heat such fuels to increase the efficiency of consumption thereof and to more rapidly release volatile materials contained within said fuels. The container of said candle is treated by the application thereto of a thin layer of a low emissivity coating material, such as a doped tin oxide, and the heat conductive support plate is configured so as to have a capillary pedestal upon the surface thereof, which cooperatively engages a wick holder comprising a preferably consumable wick and heat conductive fins which conduct heat from a flame upon said wick to said support plate, said wick holder further engaging said capillary pedestal in such a locking manner as to resist accidental removal from said pedestal. The fuel may be provided in various forms, configured to cooperatively engage said wick holder and support plate, and may comprise various volatile materials. The capillary pedestal, in conjunction with the wick holder, causes rapid and complete flow of the liquefied fuel to said wick.

IPC 8 full level
F23D 3/16 (2006.01); **C11C 5/00** (2006.01)

CPC (source: EP US)
C11C 5/002 (2013.01 - EP US); **F23D 3/16** (2013.01 - EP US)

Citation (search report)
See references of WO 2006050254A1

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2006093979 A1 20060504; CA 2585223 A1 20060511; EP 1807658 A1 20070718; WO 2006050254 A1 20060511

DOCDB simple family (application)
US 97864604 A 20041101; CA 2585223 A 20051101; EP 05818229 A 20051101; US 2005039250 W 20051101