

Title (en)
CANDLE ASSEMBLY

Title (de)
KERZENANORDNUNG

Title (fr)
ENSEMBLE BOUGIE

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Application
EP 05811056 A 20050909

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- US 2005032266 W 20050909
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- US 97874404 A 20041101
- US 12380905 A 20050506
- US 12346105 A 20050506
- US 12337205 A 20050506
- US 12431305 A 20050506

Abstract (en)
[origin: WO2006031669A2] A candle assembly includes a melting plate, a wick holder, and a fuel element that fits over the wick holder. The wick holder engages the melting plate preventing the accidental removal thereof from the melting plate. The fuel element is configured to facilitate successful initial ignition and sustained burn of the wick by having a duct dimensioned to ensure that melted fuel material engages the wick when dripping down the duct. The fuel element may also contain an outer shell of fuel material surrounding an inner core of fuel material having different properties than the fuel material of the outer shell. The wick holder includes a wick extending from a sleeve. The sleeve having a constricted portion that reduces an effective capillary fluid flow capacity of the wick and may thereby regulate how quickly fuel is consumed when the candle assembly is burning. A capillary well disposed between the wick holder and the melting plate may be adapted to promote a successful relight after an initial burn of the candle assembly. The candle assembly, may be adapted to promote laminar air flow thereacross during a burn in a substantially calm atmospheric environment.

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