

Title (en)

A bag having heating or chilling means

Title (de)

Beutel mit Heiz- oder Kühlvorrichtung

Title (fr)

Sachet pourvu de moyens de chauffage ou refroidissement

Publication

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Application

EP 01830259 A 20010413

Priority

IT VR20000029 U 20000613

Abstract (en)

A heating or cooling sack container comprising at least a primary compartment (5) for containing a product (6) and at least a first secondary compartment (7). The container further comprises a first chemical compound (9) inserted in the first secondary compartment (7) and at least a breakable container (10) inserted in the first secondary compartment (7) in contact with said first chemical compound (9). The breakable container (10) contains within it at least a second chemical compound (11), which, if placed in contact with the first chemical compound, gives rise to a chemical reaction producing a temperature gradient. The primary compartment (5) is provided with opening means (12) to allow the extraction of the product (6) contained therein. An alternative embodiment further comprises a second secondary compartment (21) also containing the first chemical compound (9) and a second container containing the second chemical compound (11). <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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Cited by

FR2841537A1; CN101871693A; EP2896908A1; EP2913282A4; KR100796300B1; CN102658904A; EP1334921A3; US6827080B2; US9603483B2; WO2004033340A1; WO2010128884A1; WO2015020828A1; WO2004002852A1; KR100974410B1; WO03002425A1; WO2020059022A1; WO2021123890A1

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