

Title (en)
Atmosphere control device.

Title (de)
Atmosphärenregulierungsvorrichtung.

Title (fr)
Dispositif de régulation d'atmosphère.

Publication
EP 0311454 A1 19890412 (EN)

Application
EP 88309431 A 19881010

Priority
GB 8723717 A 19871009

Abstract (en)
An atmosphere control device comprises a container 22 having a rigid wall and an opening which is covered by a gas-permeable material (26). An active ingredient, such as potassium permanganate pellets (25) is retained in the container (22), for absorbing ethylene from the surroundings. The container (22) may comprise an array of recesses (24), each containing a single pellet (25) of the active ingredient. In use, the device may be included in a package of perishable produce, such as fruit. The device absorbs ethylene from the package, which retards ripening and deterioration of the produce.

IPC 1-7
B65D 81/24

IPC 8 full level
A61L 9/00 (2006.01); **A61L 9/16** (2006.01); **B65D 81/26** (2006.01); **F25D 17/04** (2006.01)

CPC (source: EP)
B65D 81/268 (2013.01); **F25D 17/042** (2013.01)

Citation (search report)
• [X] US 4235750 A 19801125 - CAZALET MICHAEL F [US]
• [Y] EP 0230191 A1 19870729 - RECH DES PRODUITS DU SOLEIL RE [FR]
• [Y] US 4579223 A 19860401 - OTSUKA SADA0 [JP], et al

Cited by
EP1857753A3; ES2803824A1; DE102006034602A1; FR3077563A1; FR2819990A1; EP1645812A3; EP2772291A4; US6986806B2; US7005000B2; US8664153B1; WO2015110682A1; WO0156620A1; WO0156622A1; WO2021014047A1; WO0130658A1; WO2019154860A1

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0311454 A1 19890412; GB 2210806 A 19890621; GB 8723717 D0 19871111; GB 8823745 D0 19881116; JP H01230362 A 19890913

DOCDB simple family (application)
EP 88309431 A 19881010; GB 8723717 A 19871009; GB 8823745 A 19881010; JP 25576188 A 19881011