

Title (en)  
Water-soluble, liquid-containing pouch

Title (de)  
Flüssigkeitsgefüllter wasserlöslicher Beutel

Title (fr)  
Sachet contenant du liquide, soluble dans l'eau

Publication  
**EP 1854869 B2 20141203 (EN)**

Application  
**EP 06113694 A 20060509**

Priority  
EP 06113694 A 20060509

Abstract (en)  
[origin: EP1854869A1] A water-soluble pouch containing a liquid composition wherein the water-soluble pouch is made from a film comprising a co-polymer of vinyl alcohol and a carboxylic acid, wherein the liquid composition contained within said pouch comprises at least one dissolved ionic component selected from the group consisting of carboxylates, phosphonates, and mixtures thereof, and from 5% to 15 % by weight of the liquid composition of water, and wherein said pouch is processed using a vacuum formed, horizontal form-fill-seal process.

IPC 8 full level  
**C11D 17/04** (2006.01); **C11D 3/20** (2006.01); **C11D 3/36** (2006.01)

CPC (source: EP)  
**C11D 3/2082** (2013.01); **C11D 3/2086** (2013.01); **C11D 3/361** (2013.01); **C11D 17/043** (2013.01)

Citation (opposition)  
Opponent :

- WO 02094975 A1 20021128 - PROCTER & GAMBLE [US]
- WO 02074893 A1 20020926 - PROCTER & GAMBLE [US]
- WO 0212432 A1 20020214 - PROCTER & GAMBLE [US]
- WO 2006088980 A1 20060824 - PROCTER & GAMBLE [US], et al
- WO 03089563 A2 20031030 - COLGATE PALMOLIVE CO [US]
- WO 2004085586 A2 20041007 - PROCTER & GAMBLE [US], et al

Cited by  
CN105209590A; EP3279302A1; US9546343B2; WO2013113635A1; WO2014176392A1; WO2018026686A1; EP2989193B1; EP2031049B1

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)  
**EP 1854869 A1 20071114; EP 1854869 B1 20110323; EP 1854869 B2 20141203**; AT E502999 T1 20110415; DE 602006020845 D1 20110505; ES 2363525 T3 20110808; ES 2363525 T5 20150323; PL 1854869 T3 20110831; PL 1854869 T5 20150630

DOCDB simple family (application)  
**EP 06113694 A 20060509**; AT 06113694 T 20060509; DE 602006020845 T 20060509; ES 06113694 T 20060509; PL 06113694 T 20060509