

Title (en)  
SHEETLIKE ARTICLE FOR WASHING

Title (de)  
TUCHÄHNLICHER GEGENSTAND ZUM WASCHEN

Title (fr)  
ARTICLE EN FORME DE FEUILLE POUR LE LAVAGE

Publication  
**EP 0957158 A1 19991117 (EN)**

Application  
**EP 97950419 A 19971226**

Priority  
• JP 9704870 W 19971226  
• JP 1016897 A 19970123

Abstract (en)  
To provide a sheetlike article for laundry which is freed from the scattering or leak of the contents, facilitates arbitrary dispensing and exhibits excellent detergency even when used alone, sheetlike water-soluble substrates are arranged on both surfaces of a thin layer made of a doughy non-phosphate detergent composition which contains nonionic surfactant(s), alkaline agent(s) and sequestering agent(s) and has a penetration hardness at 25 DEG C of from 0.1 to 10 kg/cm<2>. <IMAGE>

IPC 1-7  
**C11D 17/00**

IPC 8 full level  
**C11D 1/62** (2006.01); **C11D 1/66** (2006.01); **C11D 3/00** (2006.01); **C11D 3/08** (2006.01); **C11D 3/20** (2006.01); **C11D 3/33** (2006.01); **C11D 3/37** (2006.01); **C11D 3/39** (2006.01); **C11D 17/00** (2006.01); **C11D 17/04** (2006.01)

CPC (source: EP)  
**C11D 1/62** (2013.01); **C11D 1/66** (2013.01); **C11D 3/001** (2013.01); **C11D 3/3942** (2013.01); **C11D 17/041** (2013.01); **C11D 17/044** (2013.01)

Cited by  
US10465151B2; US2016208204A1; EP2121890A4; EP4006133A1; RU2742886C1; CN107075430A; RU2726845C2; EP3395934A4; KR20190100364A; EP3577204A4; EP1048722A4; RU2709010C2; RU2709010C9; WO2018109200A1; US8420589B2; US10704013B2; US7094744B1; WO2018109201A1; WO03052041A1; WO2006124483A1; WO2015027970A1; WO2008040619A1; WO2016029894A1; US11680232B2; US6699826B1; US10781409B2; WO2017220458A1; WO2021113294A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0957158 A1 19991117**; **EP 0957158 A4 20000405**; **EP 0957158 B1 20031119**; CN 1177025 C 20041124; CN 1248998 A 20000329; DE 69726314 D1 20031224; DE 69726314 T2 20040826; JP 3126675 B2 20010122; JP H10204499 A 19980804; WO 9832835 A1 19980730

DOCDB simple family (application)  
**EP 97950419 A 19971226**; CN 97182067 A 19971226; DE 69726314 T 19971226; JP 1016897 A 19970123; JP 9704870 W 19971226