

Title (en)  
Laundry detergent substrate articles.

Title (de)  
Wäschereinigungsmittel.

Title (fr)  
Compositions détergentes pour le lavage du linge.

Publication  
**EP 0002857 A1 19790711 (EN)**

Application  
**EP 78200363 A 19781213**

Priority  
• US 86405077 A 19771223  
• US 86413677 A 19771223

Abstract (en)  
Substrate articles, containing mixtures of cationic and nonionic surfactants, which yield excellent removal of particulate and greasy/oily soils from fabrics, and wherein the detergent components are rapidly and completely released into the laundry solution, are disclosed. Preferred articles additionally contain selected materials which minimize the bleeding of the surfactant components through the substrate sheets. A method of laundering fabrics using these articles is also disclosed.

IPC 1-7  
**C11D 1/835**; **C11D 1/38**; **C11D 1/62**; **C11D 1/72**

IPC 8 full level  
**C11D 1/62** (2006.01); **C11D 1/835** (2006.01); **C11D 1/72** (2006.01); **C11D 17/04** (2006.01)

CPC (source: EP)  
**C11D 1/62** (2013.01); **C11D 1/835** (2013.01); **C11D 17/046** (2013.01); **C11D 1/72** (2013.01)

Citation (search report)  
• DE 2426581 A1 19741219 - COLGATE PALMOLIVE CO  
• GB 1447448 A 19760825 - PROCTER & GAMBLE  
• [A] DE 2529444 A1 19770127 - EXQUISIT KOSMETIK GMBH  
• [A] DE 2106819 B2 19760526

Cited by  
US5700387A; EP0068868A1; EP0130682A3; EP1239024A3; US5773409A; EP0368383A3; WO9527777A1; WO9504811A1; US6855682B2; US7115779B2; EP0022562B1

Designated contracting state (EPC)  
BE CH DE FR GB IT NL

DOCDB simple family (publication)  
**EP 0002857 A1 19790711**; BE 58 T1 19800418; CH 647544 A5 19850131; DE 2857474 A1 19800814; DE 2857474 C2 19870611; FR 2443494 A1 19800704; GB 2041967 A 19800917; GB 2041967 B 19821215; IT 1148287 B 19861126; IT 8086221 A0 19800318; NL 7815060 A 19800530

DOCDB simple family (application)  
**EP 78200363 A 19781213**; BE 78200363 A 19781213; CH 338880 A 19781213; DE 2857474 A 19781213; FR 8001380 A 19800121; GB 8010070 A 19781213; IT 8622180 A 19800318; NL 7815060 A 19781213