

Title (en)
Wiping article.

Title (de)
Wischgegenstand.

Title (fr)
Article d'essuyage.

Publication
EP 0353013 A2 19900131 (EN)

Application
EP 89307524 A 19890725

Priority
GB 8817728 A 19880726

Abstract (en)
A wiping article consists of two porous substrate layers sandwiching surfactant. The surfactant is chosen so that its properties retard its release when the article is wet and squeezed, hence avoiding initial excess foaming and lengthening the number of times that a foaming solution of surfactant can be squeezed from the article. The surfactant is chosen to have a Krafft temperature above 20 DEG C and/or form a liquid crystalline phase at temperatures above its Krafft temperature up to 30 DEG C preferably up to 50 DEG C.

IPC 1-7
A47L 13/17; C11D 17/04

IPC 8 full level
A47L 13/17 (2006.01); **C11D 17/04** (2006.01)

CPC (source: EP)
A47L 13/17 (2013.01); **C11D 3/0094** (2013.01); **C11D 17/049** (2013.01)

Cited by
EP2468235A1; US6063397A; US6132746A; US5507968A; US6153208A; US5951991A; US5972361A; US6074655A; EP1167510A1; US5980931A; US7115535B1; US6267975B1; US6190678B1; US10335351B2; WO2012084649A1; WO2005121303A1; WO9632464A1; WO0200084A3; WO0200819A1; US6217889B1; US6491933B2; US6495151B2; US6280757B1; US6338855B1; US6616641B2; US6322801B1; US6491928B1; US9763547B2; US9855203B2; US9907738B2; US10016098B2; US10070761B2

Designated contracting state (EPC)
CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0353013 A2 19900131; EP 0353013 A3 19910109; EP 0353013 B1 19930915; AU 3888589 A 19900201; AU 618383 B2 19911219; BR 8903682 A 19900313; DE 68909140 D1 19931021; DE 68909140 T2 19940113; ES 2045443 T3 19940116; GB 8817728 D0 19880901; JP H0284925 A 19900326; JP H0822269 B2 19960306; ZA 895684 B 19910327

DOCDB simple family (application)
EP 89307524 A 19890725; AU 3888589 A 19890724; BR 8903682 A 19890725; DE 68909140 T 19890725; ES 89307524 T 19890725; GB 8817728 A 19880726; JP 19378189 A 19890726; ZA 895684 A 19890726