

Title (en)  
SUPERABSORBENT PAD

Title (de)  
SUPERSAUGFÄHIGES POLSTER

Title (fr)  
TAMPON SUPERABSORBANT

Publication  
**EP 1841380 A4 20090520 (EN)**

Application  
**EP 05776554 A 20050719**

Priority  
• US 2005025413 W 20050719  
• US 58908204 P 20040719

Abstract (en)  
[origin: WO2006020213A2] An absorbent article comprises an absorbent core, such as cellulose and a superabsorbing material, and a bicomponent fiber layer, the core being attached to the layer but not completely surrounded by it. The core and the layer absorb fluid. The superabsorbent material is present in an amount typically less than about 70% by weight, based on total weight of the core's materials. The article in the form of a pad may be utilized to absorb bodily fluids, such as in dental applications. In one embodiment, the superabsorbent material is an acrylate copolymer, the bicomponent fiber comprises, by weight, about 35% polypropylene and about 50% polyethylene, and the article has a free swell of approximately 50-75 grams of fluid per gram of absorbent pad; this amount is substantially greater than the standard sized cotton roll used in dental applications. Also disclosed are methods of using the article and the pad.

IPC 8 full level  
**A61K 9/00** (2006.01); **A61F 13/00** (2006.01); **B23B 5/00** (2006.01)

CPC (source: EP)  
**A61F 13/01042** (2024.01); **A61F 13/20** (2013.01); **A61F 13/36** (2013.01); **A61F 13/534** (2013.01); **A61L 15/60** (2013.01); **A61F 13/00** (2013.01); **A61F 13/2008** (2013.01); **A61F 2013/00748** (2013.01); **A61F 2013/0091** (2013.01); **A61F 2013/15463** (2013.01); **A61F 2013/53024** (2013.01); **A61F 2013/5307** (2013.01)

Citation (search report)  
• [X] US 5509915 A 19960423 - HANSON WILLIAM D [US], et al  
• [X] EP 0539703 A1 19930505 - KIMBERLY CLARK CO [US]  
• [X] US 5728083 A 19980317 - COHEN RICHMOND A [US], et al  
• [X] US 5674341 A 19971007 - NG ANTHONY C [US]  
• [A] GB 2263914 A 19930811 - MOELNLYCKE AB [SE]  
• See references of WO 2006020213A2

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)  
**WO 2006020213 A2 20060223; WO 2006020213 A3 20061130**; EP 1841380 A2 20071010; EP 1841380 A4 20090520

DOCDB simple family (application)  
**US 2005025413 W 20050719**; EP 05776554 A 20050719