

Title (en)
CLEANING ARTICLE

Title (de)
REINIGUNGSARTIKEL

Title (fr)
ARTICLE DE NETTOYAGE

Publication
EP 1938737 A4 20100505 (EN)

Application
EP 06811378 A 20061006

Priority
• JP 2006320051 W 20061006
• JP 2005306697 A 20051021

Abstract (en)
[origin: EP1938737A1] A cleaning article 10 having a pair of flat tubular pockets 15 and attachable to a holder 20 by inserting the holder 20 into the pockets 15. The cleaning article 10 includes fiber layers 11a and 11b and fiber layers 11c and 11d each formed of a fiber bundle on the upper and lower side, respectively, of the pockets 15. The pockets 15 are formed by joining two oblong sheets 13a and 13b interposed between the upper and lower fiber layers 11b and lie by making joining zones extending in the longitudinal direction of the sheets 13a and 13b to define both longer sides of each pocket 15. The pockets 15 each have an unjoined region in an end portion on the side of their inlets 151.

IPC 8 full level
A47L 13/20 (2006.01); **A47L 13/16** (2006.01); **A47L 13/255** (2006.01)

CPC (source: EP KR US)
A47L 13/16 (2013.01 - EP KR US); **A47L 13/255** (2013.01 - KR); **A47L 13/38** (2013.01 - EP US); **A47L 13/46** (2013.01 - EP US)

Citation (search report)
• [X1] US 2004016074 A1 20040129 - TANAKA YOSHINORI [JP]
• [X1] US 2002148061 A1 20021017 - TANAKA YOSHINORI [JP], et al
• See references of WO 2007046251A1

Cited by
WO2013134578A1

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

DOCDB simple family (publication)
EP 1938737 A1 20080702; EP 1938737 A4 20100505; EP 1938737 B1 20130424; AU 2006305394 A1 20070426; AU 2006305394 B2 20110203; CA 2625866 A1 20070426; CA 2625866 C 20140114; CN 101291611 A 20081022; CN 101291611 B 20110112; ES 2405358 T3 20130530; JP 2007111297 A 20070510; JP 4657075 B2 20110323; KR 101325081 B1 20131106; KR 20080068656 A 20080723; TW 200730122 A 20070816; TW I388307 B 20130311; US 2009049633 A1 20090226; WO 2007046251 A1 20070426

DOCDB simple family (application)
EP 06811378 A 20061006; AU 2006305394 A 20061006; CA 2625866 A 20061006; CN 200680038982 A 20061006; ES 06811378 T 20061006; JP 2005306697 A 20051021; JP 2006320051 W 20061006; KR 20087008989 A 20061006; TW 95138668 A 20061020; US 8383906 A 20061006