

Title (en)
CIGARETTE

Title (de)
ZIGARETTE

Title (fr)
CIGARETTE

Publication
EP 3704960 B1 20220601 (EN)

Application
EP 20172337 A 20120530

Priority
• EP 20172337 A 20120530
• EP 12877676 A 20120530
• JP 2012063991 W 20120530

Abstract (en)
[origin: EP2856890A1] A cigarette comprises a tobacco rod and a filter including a filter plug connected to one end of the tobacco rod and a capsule in which contents is held inside a film. The filter plug has a property that a repulsive force increases in accordance with a first increasing rate with an increase of an indentation rate when the indentation rate is equal to or less than a specific value as the filter plug is pressed from outside and the repulsive force increases in accordance with a second increasing rate larger than the first increasing rate with the increase of the indentation rate when the indentation rate becomes larger than the specific value. The capsule is destroyed when the indentation rate of the filter plug is equal to or less than the specific value.

IPC 8 full level
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A24D 3/061 (2013.01 - CN EP KR); **A24D 3/063** (2013.01 - KR); **A24D 3/10** (2013.01 - KR)

Citation (examination)
• EP 2120616 B1 20110713 - PHILIP MORRIS PROD [CH]
• JP 5117579 B2 20130116
• JP 5616018 B2 20141029

Citation (opposition)
Opponent : Philip Morris Products S.A.
• EP 2213185 A1 20100804 - REYNOLDS TOBACCO CO R [US]
• WO 2006117697 A1 20061109 - PHILIP MORRIS PROD [CH]
• WO 2008084333 A2 20080717 - PHILIP MORRIS PROD [CH]
• WO 2012156708 A1 20121122 - BRITISH AMERICAN TOBACCO CO [GB], et al
• WO 2010115829 A1 20101014 - BRITISH AMERICAN TOBACCO CO [GB], et al
• WO 2011117743 A1 20110929 - PHILIP MORRIS PROD [CH]
• WO 2012156705 A1 20121122 - BRITISH AMERICAN TOBACCO CO [GB], et al
• CA 2612665 A1 20070125 - MANE V FILS SA [FR]
• US 7972254 B2 20110705 - STOKES CYNTHIA STEWART [US], et al
• EP 2578093 A1 20130410 - JAPAN TOBACCO INC [JP]
• US 2011271968 A1 20111110 - CARPENTER CAROLYN RIERSON [US], et al
• US 6502582 B1 20030107 - PETERS GUNTHER [DE], et al
• JP H0475578 A 19920310 - JAPAN TOBACCO INC
• US 5186185 A 19930216 - MASHIKO KIMIO [JP], et al
• WO 2013014275 A2 20130131 - BRITISH AMERICAN TOBACCO CO [GB], et al
• ANONYMOUS: "CAPRI TECHNOLOGY, CAPRI DESIGN AND RATIONALE", BROWN & WILLIAMSON TOBACCO CORPORATION, 1 November 1986 (1986-11-01), pages 1 - 28, XP093033595
• DUKE M. G., ET AL: "DESIGN CHARACTERISTICS OF ULTRASUM CIGARETTES, REPORT NO. RD.2150", BATUKE, 4 September 1989 (1989-09-04), pages 1 - 32, XP093033599
• COLIN L. BROWNE, THE DESIGN OF CIGARETTES, 1990

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2856890 A1 20150408; EP 2856890 A4 20160323; EP 2856890 B1 20200708; CN 104379005 A 20150225; CN 104379005 B 20171128;
EP 3704960 A1 20200909; EP 3704960 B1 20220601; EP 3704960 B8 20220713; EP 3735845 A1 20201111; ES 2821430 T3 20210426;
JP 5710838 B2 20150430; JP WO2013179429 A1 20160114; KR 101721741 B1 20170410; KR 101913980 B1 20181031;
KR 20150003288 A 20150108; KR 20170036817 A 20170403; PL 2856890 T3 20210125; RU 2591138 C1 20160710;
SG 11201407530V A 20150129; TW 201347690 A 20131201; TW I508671 B 20151121; WO 2013179429 A1 20131205

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JP 2012063991 W 20120530; JP 2014518160 A 20120530; KR 20147031378 A 20120530; KR 20177007977 A 20120530;
PL 12877676 T 20120530; RU 2014153575 A 20120530; SG 11201407530V A 20120530; TW 101150432 A 20121227