

Title (en)  
Smoke-free cigarette

Title (de)  
Rauchfreie Zigarette

Title (fr)  
Cigarette sans fumée

Publication  
**EP 2138057 A1 20091230 (DE)**

Application  
**EP 08013798 A 20080731**

Priority  
DE 102008030549 A 20080627

Abstract (en)  
The cigarette (10) has a heating unit (14) for self-sufficient production of heat, and a substrate (16) in which nicotine or a nicotine-containing compound is present, where the cigarette is designed in a circular-shape in a cross-section. A triggering mechanism initiates a chemical oxidation reaction, and a casing (12) made from paper surrounds an outer side of the heating unit. The heating unit releases heat during oxidation of a metal e.g. iron, or metal compound e.g. iron-containing metal compound, present in the heating unit, where the heating unit is closed in an air-tight manner.

Abstract (de)  
Die vorliegende Erfindung betrifft eine rauchfreie Zigarette mit einer Wärmeeinheit zur autarken Erzeugung von Wärme sowie mit einem Nikotin-Reservoir, in dem sich Nikotin oder eine nikotinhaltige Verbindung befindet, wobei die Wärmeeinheit derart ausgeführt ist, dass sie ein Metall oder eine Metallverbindung aufweist, das/die in der Wärmeeinheit in einer oxidierbaren Form vorliegt und bei dessen/deren Oxidation Wärme freigesetzt wird.

IPC 8 full level  
**A24F 42/10** (2020.01)

CPC (source: EP US)  
**A24F 42/10** (2020.01 - EP US)

Citation (applicant)  

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Citation (search report)  

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- [X] US 2005016549 A1 20050127 - BANERJEE CHANDRA KUMAR [US], et al
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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 2138057 A1 20091230; EP 2138057 B1 20101124**; AT E489009 T1 20101215; DE 102008030549 A1 20091231; DE 502008001898 D1 20110105; WO 2009155958 A1 20091230

DOCDB simple family (application)  
**EP 08013798 A 20080731**; AT 08013798 T 20080731; DE 102008030549 A 20080627; DE 502008001898 T 20080731; EP 2008007200 W 20080903