

Title (en)  
CIGARETTE

Publication  
**EP 0283672 A3 19890712 (EN)**

Application  
**EP 88101280 A 19880129**

Priority  
• US 1292287 A 19870210  
• US 13798787 A 19871224

Abstract (en)  
[origin: EP0283672A2] Cigarettes having high nicotine content tobacco cut filler are rendered smooth smoking and palatable by incorporating an organic acid additive therein. For example, a cigarette having a cut filler with a blend nicotine content of greater than 2 percent has at least one organic acid additive incorporated into the cigarette in an amount of greater than 1 percent. Smooth smoking cigarettes yielding good tobacco taste and minimal off-taste are provided when the majority of the organic acid additive is levulinic acid. Alternatively, cigarettes having a salt such as nicotine levulinate incorporated therein can exhibit low FTC "tar" to nicotine ratios while providing a smooth, palatable and flavorful taste.

IPC 1-7  
**A24B 15/30**

IPC 8 full level  
**A24B 15/30** (2006.01); **A24D 1/00** (2020.01)

CPC (source: EP US)  
**A24B 15/30** (2013.01 - EP); **A24D 1/00** (2013.01 - EP US)

Citation (search report)  
• [X] FR 2527055 A1 19831125 - KIMBERLY CLARK CO [US]  
• [A] EP 0103970 A2 19840328 - LAWRENCE PETER ROBIN B [GB]  
• [A] FR 2403035 A1 19790413 - GALLAHER LTD [GB]  
• [A] FR 2182367 A5 19731207 - SHAW ALEC [FI]  
• [A] DE 1517331 B1 19700402 - REYNOLDS TOBACCO CO R  
• [X] J.C. LEFFINGWELL et al.: "Tobacco Flavoring for Smoking Products", 1972, pages 10,13, R.J. REYNOLDS TOBACCO CO., Winston-Salem, N.C. US

Cited by  
EP0368065A1; US5441060A; EP0370335A3; US4920990A; DE4332019A1; EP0413536A1; MD1535C2; US10279934B2; USD887632S; GB2535427A; RU2672027C2; CN113811199A; GB2532062A; RU2677847C2; CN114886154A; EP3677129A1; WO2011139684A3; US10111470B2; USD842536S; US10076139B2; US10667560B2; USD836541S; US10405582B2; US10231484B2; USD851830S; US11612702B2; US10244793B2; US10517530B2; US10952468B2; US10104915B2; US10638792B2; US10512282B2; USD913583S; USD929036S; US11478021B2; USD848057S; US11660403B2; US10834964B2; US11779051B2; US10045568B2; US10058129B2; US10117466B2; US10117465B2; US10912331B2; US11659868B2; US11864584B2; US10463069B2; US10653180B2; US11044937B2; US11510433B2; US11744277B2; US11641871B2; US11647781B2; US11758936B2; US11785978B2; US11805806B2; US11925202B2; US11980220B2; US11986009B2; US10045567B2; US10058124B2; US10058130B2; US10070669B2; US10159282B2; US10201190B2; US10264823B2; US11752283B2; EP2993999B1

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AT BE CH DE ES FR GB GR IT LI LU NL SE

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DOCDB simple family (application)  
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