

Title (en)
Filter production device for the tobacco processing industry

Title (de)
Filterherstellmaschine der Tabak verarbeitenden Industrie

Title (fr)
Machine de fabrication de filtre de l'industrie de traitement du tabac

Publication
EP 2591686 B1 20161116 (DE)

Application
EP 12185903 A 20120925

Priority
DE 102011085981 A 20111109

Abstract (en)
[origin: EP2591686A2] The device has a filter strand machine (40), and a filter tow preparation machine (20) or a filter segment assembling machine for a multi-segment filter. A module device (30) is arranged between the filter strand machine and the preparation machine or between the filter strand machine and the assembling machine. The module device has a supply unit (31) and a processing unit (32) that is connected with the supply unit in a detachable manner. The processing unit has a base frame and a radio frequency identification transponder, and the supply unit has a switching cabinet.

IPC 8 full level
A24C 5/47 (2006.01); **A24D 3/02** (2006.01)

CPC (source: EP KR)
A24C 5/478 (2013.01 - EP); **A24D 3/02** (2013.01 - EP); **A24D 3/0204** (2013.01 - KR); **A24D 3/027** (2013.01 - KR); **A24D 3/0287** (2013.01 - EP)

Citation (opposition)
Opponent : G.D Società per Azioni
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• DE 102007057396 A1 20090528 - HAUNI MASCHINENBAU AG [DE]
• US 6273165 B1 20010814 - GUNDERSEN DAG H [NO], et al
• US 2003057232 A1 20030327 - BECKER ALBERT [DE]
• EP 2145551 A2 20100120 - GD SPA [IT]
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• US 2004237981 A1 20041202 - BLAU MATHIAS [DE], et al
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EP 2591686 A2 20130515; EP 2591686 A3 20141217; EP 2591686 B1 20161116; CN 103099313 A 20130515; CN 103099313 B 20170718; DE 102011085981 A1 20140109; KR 102092415 B1 20200323; KR 102155456 B1 20200911; KR 20130051416 A 20130520; KR 20190132309 A 20191127; PL 2591686 T3 20170531

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