

Title (en)

Method for producing a fabric for the production of filters of the tobacco industry and apparatus for the production of a filter rod

Title (de)

Verfahren zur Herstellung eines Vlieses für die Herstellung von Filtern der tabakverarbeitenden Industrie sowie Filterstrangherstellereinrichtung

Title (fr)

Procédé pour la production d'un tissu pour la production de filtres de l'industrie du tabac et dispositif pour la production d'une tige de filtre

Publication

EP 1698241 A1 20060906 (DE)

Application

EP 06011475 A 20040301

Priority

- EP 04003359 A 20040301
- EP 03007672 A 20030403
- EP 03015325 A 20030707
- EP 06011475 A 20040301

Abstract (en)

The method involves the use of a flow bed to manufacture filters for the tobacco processing industry. The flow bed is arranged upstream of a strand formation device in the filter material transport direction and contains a curved wall that guides the filter materials. The wall is first inclined downwards, changes to the horizontal and finishes upwards looking in the transport direction. Independent claims are also included for the following: (A) a method of manufacturing filters (B) and a filter strand manufacturing device.

IPC 8 full level

A24D 3/02 (2006.01); **B31C 99/00** (2009.01); **A24D 3/10** (2006.01); **A24D 3/16** (2006.01)

CPC (source: EP US)

A24D 3/0208 (2013.01 - EP US)

Citation (applicant)

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- DE 10217410 A1 20031030 - HAUNI MASCHINENBAU AG [DE]
- EP 03007675 A 20030403
- DE 3301031 C2 19930204
- US 4673136 A 19870616 - BIANCO CARLO [IT], et al
- EP 0616056 B1 20010411 - M & J FIBRETECH AS [DK]
- WO 0154873 A1 20010802 - SCAN WEB [DK], et al
- US 4640810 A 19870203 - LAURSEN HENNING [DK], et al
- EP 03004594 A 20030301

Citation (search report)

- [XA] US 4640810 A 19870203 - LAURSEN HENNING [DK], et al
- [A] GB 2101642 A 19830119 - FILTRONA LTD [GB]
- [A] US 2796810 A 19570625 - ADOLF MULLER PAUL
- [A] EP 0546519 A2 19930616 - MITSUBISHI RAYON CO [JP]
- [A] US 3644078 A 19720222 - TACHIBANA SACHIIKO, et al
- [A] GB 2165136 A 19860409 - HAUNI WERKE KOERBER & CO KG

Citation (third parties)

Third party :

WO 03016137 A1 20030227 - PHILIP MORRIS PROD [US], et al

Cited by

CN103238928A; DE102010063593A1; EP2853165A1; DE102013219455A1

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DOCDB simple family (publication)

US 2004235631 A1 20041125; AT E341233 T1 20061015; CN 1568844 A 20050126; DE 502004001630 D1 20061116; EP 1464241 A1 20041006; EP 1464241 B1 20061004; EP 1698241 A1 20060906; ES 2270198 T3 20070401; JP 2004337160 A 20041202; PL 1464241 T3 20070228; US 2006010654 A1 20060119; US 7318797 B2 20080115

DOCDB simple family (application)

US 81593304 A 20040402; AT 04003359 T 20040301; CN 200410055061 A 20040405; DE 502004001630 T 20040301; EP 04003359 A 20040301; EP 06011475 A 20040301; ES 04003359 T 20040301; JP 2004104124 A 20040331; PL 04003359 T 20040301; US 21493405 A 20050831