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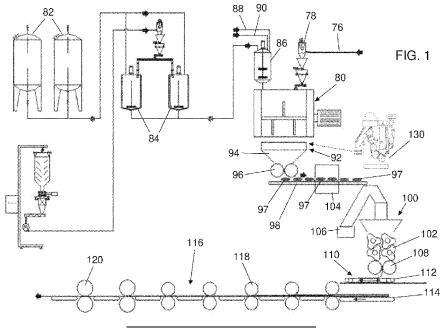
(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC: 19783692.7 / 3 852 554 (71) Applicant: COMAS - COSTRUZIONI MACCHINE SPECIALI - S.p.A.
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(54) METHOD FOR THE PRODUCTION OF RECONSTITUTED TOBACCO

- (57) Method for producing reconstituted tobacco characterized in that:
- the solid components of tobacco are comminuted to bring them to a particle size of about 20 220 $\mu\text{m},$ preferably about 80-180 $\mu\text{m},$
- the comminuted product thus obtained is mixed with water, at least one binding agent and at least one material to form an aerosol until a mixture with a liquid content of about 30-50%, preferably about 35-40%, is obtained.
- said mixture is subjected to a first lamination in order to obtain a strip of continuous thickness of about 1-20 mm, preferably about 1-10 mm,
- said strip, already subjected to said first lamination, is subjected to a series of further rolling passages, to obtain a strip having a substantially constant thickness of approximately 90 280 μm , preferably about 140-200 μm , said strip is dried to bring its liquid content to about 8-15 %.



DOCUMENTS CONSIDERED TO BE RELEVANT

EP 3 075 266 A1 (PT GUDANG GARAM TBK [ID]) 1-15

CN 106 235 376 A (HUBEI CHINA TOBACCO IND 1-15

Citation of document with indication, where appropriate,

* paragraph [0124] - paragraph [0126] *

WO 2016/067226 A1 (RECON INC [BR])

of relevant passages

5 October 2016 (2016-10-05)

6 May 2016 (2016-05-06) * page 4, line 1 - line 23 *



Category

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EUROPEAN SEARCH REPORT

Application Number

EP 23 20 9014

CLASSIFICATION OF THE APPLICATION (IPC)

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Relevant

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1 34C01) EPO FORM 1503 03.82 (I

| A | CN 106 235 376 A (PCO LTD) 21 December * paragraph [0009] | 2016 (20 | 016-12-21) | | 1-15 | TECHNICAL FIELDS SEARCHED (IPC) | |
|----|---|----------|---|---|---|------------------------------------|--|
| | | | | | | A24B | |
| | The present search report has been drawn up for all claims | | | | | | |
| | Place of search | | e of completion of the | | | Examiner | |
| A: | Munich CATEGORY OF CITED DOCUMENTS particularly relevant if taken alone particularly relevant if combined with ano document of the same category technological background non-written disclosure intermediate document | <u> </u> | E : earlier after th D : docum L : docum | or principle patent doc e filing date ent cited in ent cited fo | e underlying the i ument, but publice n the application or other reasons | shed on, or | |

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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 23 20 9014

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

08-02-2024

| 10 | Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---------------|--|------------------|----------------------------|------------------|
| | EP 3075266 A1 | 05-10-2016 | CN 106036983 A | 26-10-2016 |
| | 21 30,3200 | 00 10 2010 | EP 3075266 A1 | 05-10-2016 |
| | | | EP 3075268 A1 | 05-10-2016 |
| 15 | | | EP 3075269 A2 | 05-10-2016 |
| | | | EP 3075272 A2 | 05-10-2016 |
| | | | JP 6272280 B2 | 31-01-2018 |
| | | | JP 2016195585 A | 24-11-2016 |
| 20 | WO 2016067226 A1 | 06-05-2016 | NONE | |
| | CN 106235376 A | 21-12-2016 | NONE | |
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82