

Title (en)
FILTER ROD MANUFACTURING MACHINE AND FILTER ROD MANUFACTURING METHOD

Title (de)
FILTERSTABHERSTELLUNGSMASCHINE UND FILTERSTABHERSTELLUNGSVERFAHREN

Title (fr)
MACHINE DE FABRICATION DE BÂTONNETS-FILTRES ET PROCÉDÉ DE FABRICATION DE BÂTONNETS-FILTRES

Publication
EP 2910133 A4 20160615 (EN)

Application
EP 12890930 A 20121226

Priority
JP 2012083609 W 20121226

Abstract (en)
[origin: EP2910133A1] A manufacturing machine carrying out a filter rod manufacturing method of the present invention includes: a thread feed-out end (80) located more downstream than a merging position (MP) where a filter tow (T) and a paper web (PW) are merged together in a process of forming a tow rod (TR) from the filter tow (T) and the paper web (PW); a thread feed-out nozzle (76) for feeding a thread member (S) from the thread feed-out end (80) into the filter tow (T) inside the tong (54); and a liquid discharge outlet (88) located more downstream than the thread feed-out end (80), and further includes a liquid supply nozzle (86) for discharging a flavor liquid (L) from the liquid discharge outlet (88) toward the thread member (S) in a manner as to impregnate the flavor liquid (L) into the thread member (S).

IPC 8 full level
A24D 3/02 (2006.01); **A24D 3/04** (2006.01)

CPC (source: EP)
A24D 3/0212 (2013.01)

Citation (search report)

- [X] WO 2009013082 A1 20090129 - BRITISH AMERICAN TOBACCO CO [GB], et al
- [A] EP 0128031 A2 19841212 - REYNOLDS TOBACCO CO R [US]
- [A] WO 2010108739 A1 20100930 - BRITISH AMERICAN TOBACCO CO [GB], et al
- [A] WO 2012164645 A1 20121206 - JAPAN TOBACCO INC [JP], et al
- See references of WO 2014102926A1

Cited by
CN109793276A; CN105595415A; WO2022074257A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2910133 A1 20150826; EP 2910133 A4 20160615; EP 2910133 B1 20200304; JP 5888800 B2 20160322; JP WO2014102926 A1 20170112; WO 2014102926 A1 20140703

DOCDB simple family (application)
EP 12890930 A 20121226; JP 2012083609 W 20121226; JP 2014553933 A 20121226