

Title (en)

Feed unit for feeding thread to an automatic cigarette filter manufacturing machine

Title (de)

Zufuhreinheit zum Zuführen eines Fadens zu einer automatischen Maschine zur Herstellung von Zigarettensfiltern

Title (fr)

Unité d'alimentation pour alimenter un fil sur une machine de fabrication automatique de filtres pour cigarettes

Publication

EP 2606755 A1 20130626 (EN)

Application

EP 12199309 A 20121221

Priority

IT BO20110743 A 20111222

Abstract (en)

A feed unit (23) for feeding thread (24) to an automatic manufacturing machine (1); the feed unit (23) having: a supporting table (28a; 28b); a first unwinding pin (30) fitted to the supporting table (28a; 28b), and which supports a first spool (31), wound with a first reel (32) of thread (24), as the first reel (32) is unwound; and a second unwinding pin (30) which is fitted to the supporting table (28a; 28b), is located alongside the first unwinding pin (30), and supports a second spool (31), wound with a second reel (32) of thread (24), as the second reel (32) is unwound.

IPC 8 full level

A24D 3/02 (2006.01); **B65H 49/12** (2006.01)

CPC (source: EP)

A24D 3/0212 (2013.01); **B65H 49/12** (2013.01)

Citation (applicant)

WO 2008016839 A1 20080207 - REYNOLDS TOBACCO CO R [US], et al

Citation (search report)

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- [X] DE 102008028073 B3 20091210 - MADEIRA GARNFABRIK RUDOLF SCHM [DE]
- [X] US 4013243 A 19770322 - MAYER INGO
- [X] US 5323982 A 19940628 - LIGON LANG S [US], et al
- [AD] WO 2008016839 A1 20080207 - REYNOLDS TOBACCO CO R [US], et al
- [A] GB 2020158 A 19791114 - CIGARETTE COMPONENTS LTD
- [A] WO 2010028354 A1 20100311 - REYNOLDS TOBACCO CO R [US], et al

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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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2606755 A1 20130626; EP 2606755 B1 20160406; IT BO20110743 A1 20120322

DOCDB simple family (application)

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