

Title (en)

HOPPER FOR A PACKER MACHINE TO PACK SMOKING ARTICLES

Title (de)

TRICHTER FÜR EINE PACKERMASCHINE ZUM VERPACKEN VON RAUCHARTIKELN

Title (fr)

TRÉMIE D'UNE MACHINE D'EMBALLAGE POUR EMBALLER DES ARTICLES À FUMER

Publication

EP 3816056 B1 20230405 (EN)

Application

EP 20204753 A 20201029

Priority

IT 201900019970 A 20191029

Abstract (en)

[origin: EP3816056A1] A hopper (33) for a packer machine (29) to pack smoking articles; the hopper (33) has: one single upper inlet (48), from which the smoking articles enter the hopper (33) ; at least one lower outlet mouth (51), which is designed to form at least one group (14) of smoking articles and is divided, on the inside, by a plurality of walls defining small channels (52) within which the smoking articles are arranged in substantially vertical stacks; and two independent channels (53), which both originate from the single upper inlet (48), lead into the lower outlet mouth (51), are distinct and separate from one another, are parallel to one another and arranged side by side along their entire extension.

IPC 8 full level

B65B 19/04 (2006.01); **A24C 5/32** (2006.01); **B65B 35/32** (2006.01); **B65B 35/44** (2006.01); **B65B 57/14** (2006.01)

CPC (source: EP)

B65B 19/04 (2013.01); **B65B 35/32** (2013.01); **B65B 35/44** (2013.01); **B65B 57/14** (2013.01)

Citation (examination)

- US 4174780 A 19791120 - BOLT REGINALD C [GB], et al
- US 4962629 A 19901016 - FOCKE HEINZ [DE]

Citation (opposition)

Opponent : Focke & Co. (GmbH & Co. KG)

- WO 02083502 A1 20021024 - GD SPA [IT], et al
- WO 2019049058 A1 20190314 - GD SPA [IT]
- WO 2015155727 A1 20151015 - SASIB SPA [IT]
- EP 0838401 A1 19980429 - GD SPA [IT]
- WO 2018122298 A1 20180705 - PHILIP MORRIS PRODUCTS SA [CH]
- US 4795019 A 19890103 - SPADA VALTER [IT], et al
- US 4196810 A 19800408 - GURIOLI PASQUINO [IT]
- US 4174780 A 19791120 - BOLT REGINALD C [GB], et al
- US 4962629 A 19901016 - FOCKE HEINZ [DE]
- DE 60121663 T2 20070802 - GD SPA [IT]
- DE 102014000350 A1 20150716 - FOCKE & CO [DE]
- DE 1002676 B 19570214 - HAUNI WERKE KOERBER & CO KG
- EP 2551204 B1 20141210 - JAPAN TOBACCO INC [JP]
- EP 3408182 B1 20200304 - PHILIP MORRIS PRODUCTS SA [CH]

Designated contracting state (EPC)

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