

Title (en)

Combing machine with gas nozzle monitoring

Title (de)

Kammermaschine mit Gasdüsenüberwachung

Title (fr)

Machine à cloche dotée d'un système de surveillance de tuyère à gaz

Publication

**EP 3012200 B1 20171011 (DE)**

Application

**EP 14190229 A 20141024**

Priority

EP 14190229 A 20141024

Abstract (en)

[origin: US2016114920A1] The present invention relates to a chamber machine for packaging products in at least one bag, where said chamber machine includes at least one gas nozzle. The chamber machine can also include a monitoring device configured for detecting the presence of a bag neck of the bag over the gas nozzle.

IPC 8 full level

**B65B 31/02** (2006.01); **B65B 31/04** (2006.01); **B65B 51/14** (2006.01); **B65B 57/02** (2006.01)

CPC (source: CN EP US)

**B65B 31/02** (2013.01 - EP US); **B65B 31/024** (2013.01 - US); **B65B 31/04** (2013.01 - EP US); **B65B 31/06** (2013.01 - CN); **B65B 51/14** (2013.01 - EP US); **B65B 57/00** (2013.01 - CN); **B65B 57/02** (2013.01 - EP US)

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 3012200 A1 20160427**; **EP 3012200 B1 20171011**; CN 105539917 A 20160504; CN 105539917 B 20171212; US 10189589 B2 20190129; US 2016114920 A1 20160428

DOCDB simple family (application)

**EP 14190229 A 20141024**; CN 201510696055 A 20151023; US 201514918151 A 20151020