

Title (en)
MULTI-DECK AIR JIGGING MACHINE

Title (de)
MEHRDECK-LUFTSETZMASCHINE

Title (fr)
CRIBLE PNEUMATIQUE À PLUSIEURS ÉTAGES

Publication
EP 2558215 B1 20170308 (DE)

Application
EP 11718655 A 20110414

Priority
• DE 102010015232 A 20100415
• EP 2011001898 W 20110414

Abstract (en)
[origin: WO2011147504A1] The invention relates to an air jigging machine, comprising a material input device, at least one jigging-material carrier provided with openings, and a dispensing device for heavy material and light material, an air flow flowing through the jigging-material carrier as working air, the air flow being composed of a partial flow that constantly flows through the jigging-material carrier and a pulsed partial flow superposed thereon, characterized in that at least two jigging-material carriers (15, 16), which are arranged one over the other at a distance from each other and through which the air flow introduced into the air funnel (28) flows and which each have a material input (13, 14) and an dispensing device (20), are arranged above the air funnel (28), which is connected to an air supply line (32) that has a pulsing valve (34) inserted therein. The intermediate space between the jigging-material carriers (15, 16) is enclosed by an outer wall (40), and in order to increase the air amount to be supplied to the upper jigging-material carrier (15), at least one bypass air line (50a, b) that bypasses the lower jigging-material carrier (16) branches off from the air supply line (32) downstream of the pulsing valve (34) and is connected to the intermediate space between the two jigging-material carriers (15, 16) in such a way that an additional working air flow can be introduced through the bypass air line (50a, b) into the intermediate space between the jigging-material carriers (15, 16).

IPC 8 full level
B03B 4/00 (2006.01); **B03B 4/02** (2006.01); **B03B 4/06** (2006.01); **B07B 4/08** (2006.01)

CPC (source: EP US)
B03B 4/005 (2013.01 - EP US); **B03B 4/02** (2013.01 - EP US); **B03B 4/065** (2013.01 - EP US); **B07B 4/08** (2013.01 - EP US);
B07B 2201/04 (2013.01 - EP US)

Cited by
WO2020151931A1

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)
WO 2011147504 A1 20111201; AU 2011257627 A1 20121108; AU 2011257627 B2 20130523; EP 2558215 A1 20130220;
EP 2558215 B1 20170308; US 2013032513 A1 20130207; US 8800776 B2 20140812

DOCDB simple family (application)
EP 2011001898 W 20110414; AU 2011257627 A 20110414; EP 11718655 A 20110414; US 201113641462 A 20110414