

Title (en)
PNEUMATIC PUMP DEVICE AND METERING SYSTEM AND SANDING SYSTEM, COMPRISING A JET PUMP FOR FLOWABLE MATERIAL

Title (de)
PNEUMATISCHE FÖRDEREINRICHTUNG UND DOSIERANLAGE SOWIE SANDUNGSANLAGE MIT EINER STRAHLPUMPE FÜR RIESELFÄHIGES GUT

Title (fr)
DISPOSITIF DE REFOULEMENT PNEUMATIQUE ET INSTALLATION DE DOSAGE AINSI QU'INSTALLATION DE SABLAGE COMPRENANT UNE POMPE À JET DE PRODUIT COULANT

Publication
EP 3261894 B1 20210407 (DE)

Application
EP 16720315 A 20160224

Priority
• AT 501542015 A 20150226
• AT 2016050042 W 20160224

Abstract (en)
[origin: WO2016134397A1] The invention relates to a pneumatic pump device (100...105) for coupling to a container (2) for flowable material, comprising a jet pump (4) with at least one intake duct (7) extending away from the container (2) and leading into the jet pump (4) and an air supply duct (8) extending away from the container (2) and to which pressure can be applied or which leads to an outer surface of the pneumatic pump device (100...105). The at least one intake duct (7) and the at least one air supply duct (8) have essentially the same orientation in the region of the container (2) and are advantageously inclined relative to the vertical (z) by not more than 40°. The invention further relates to a metering system (110...116) comprising a container (2) and a pneumatic pump device (100...105) coupled thereto. The invention also relates to a use of the pneumatic pump device (100...105) or metering system (110...116) in a sanding system of a rail vehicle (28).

IPC 8 full level
B61C 15/10 (2006.01)

CPC (source: AT CN EP US)
B61C 15/10 (2013.01 - EP US); **B61C 15/102** (2013.01 - AT CN US); **F04F 5/24** (2013.01 - US); **F04F 5/46** (2013.01 - US)

Citation (examination)
• DE 202014004632 U1 20140829 - KLEIN ANLAGENBAU AG [DE]
• EP 1470981 A1 20041027 - ZEPPENFELD IND VERWALTUNGS GMB [DE]

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 2016134397 A1 20160901; AT 516916 A2 20160915; AT 516916 A3 20170215; AT 516916 B1 20210515; CA 2977677 A1 20160901; CA 2977677 C 20191217; CN 107406084 A 20171128; CN 107406084 B 20191217; EP 3261894 A1 20180103; EP 3261894 B1 20210407; ES 2876035 T3 20211111; PL 3261894 T3 20210927; US 10745033 B2 20200818; US 2018072329 A1 20180315

DOCDB simple family (application)
AT 2016050042 W 20160224; AT 501542015 A 20150226; CA 2977677 A 20160224; CN 201680017945 A 20160224; EP 16720315 A 20160224; ES 16720315 T 20160224; PL 16720315 T 20160224; US 201615553802 A 20160224