

(51) International Patent Classification:
B65F 5/00 (2006.01)(21) International Application Number:
PCT/EP2012/058158(22) International Filing Date:
3 May 2012 (03.05.2012)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **ENVAC AB** [SE/SE]; Fleminggatan 7, 3 tr, S-112 26 Stockholm (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FORESTIER, Niklas Mattias** [SE/SE]; Baldersgatan 3, S-411 02 Göteborg (SE). **ALFROST, Martin** [SE/SE]; Kabelgatan 28, S-414 57 Göteborg (SE).(74) Agent: **AROS PATENT AB**; P.O.Box 1544, S-751 45 Uppsala (SE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO,

DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

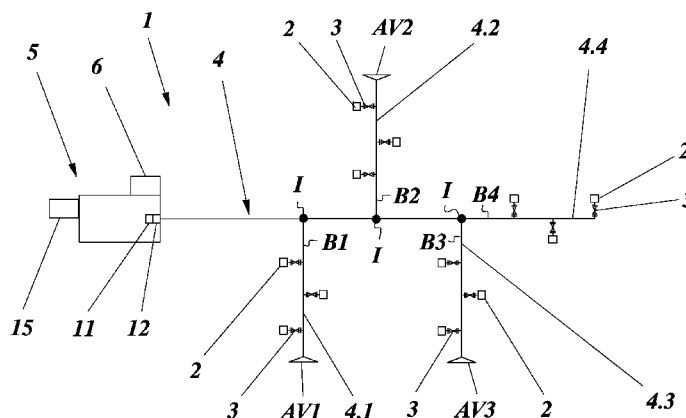
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- of inventorship (Rule 4.17(iv))

Published:

- with international search report (Art. 21(3))

(54) Title: METHOD OF CONTROLLING OPERATION OF A PNEUMATIC CONVEYING SYSTEM

FIG. 2



(57) Abstract: In a method of controlling operation of a pneumatic conveying system (1) including a source (6) for generating transport air flow in an active state, transport piping (4) and multiple material inlet points in at least one branch (B1, B2, B3, B4) of the transport piping and communicating with the system through discharge valves (3) controlling emptying of associated material inlet points, material transport conditions of the system are sensed for each inlet point emptying operation, the material transport conditions are sensed at one or more remote locations from the material inlet points and a valve open time for the material inlet point discharge valves is determining for each emptying operation and based on a processing of feedback from material transport condition sensors (11, 12) of the system. A pneumatic conveying system as well as a system (16) for controlling operation of the pneumatic conveying system are also provided.