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<i>F26B 21/10</i> (2006.01) | (72) Inventors: BERGAMINI, Riccardo ; c/o GEA Process Engineering A/S, Gladsaxevej 305, 2860 Soborg (DK).
BELLEMO, Lorenzo ; Nansensgade 29, 1. tv., 1366 Copenhagen (DK). |
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| (71) Applicant: GEA PROCESS ENGINEERING A/S [DK/DK]; Gladsaxevej 305, 2860 Soborg (DK). | | |

- (54) **Title:** A HEATING SYSTEM AND A METHOD FOR INTEGRATING A HEATING SYSTEM INTO A DRYING PLANT

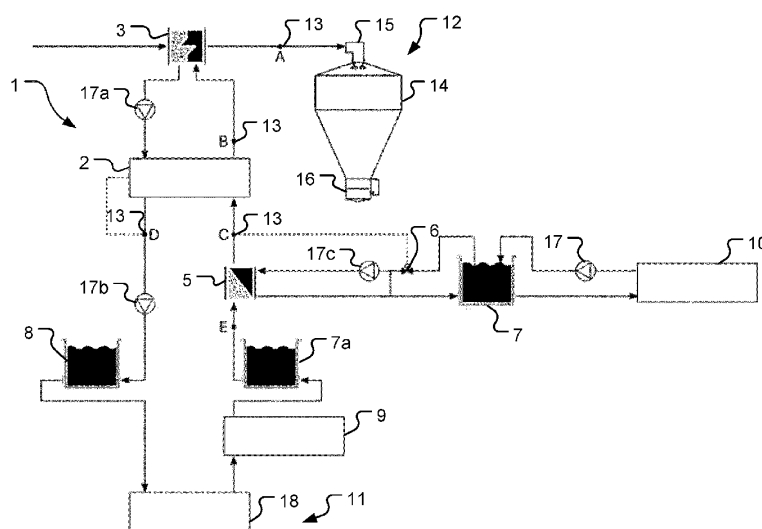


Fig. 1

- (57) **Abstract:** A heating system (1) comprising a heat pump system is provided, the heat pump system comprising a heat pump (2) operating with a primary fluid and a first sink heater (3), the heat pump (2) being connected to the first sink heater (3), wherein the first sink heater (3) is configured to heat a process medium, the heating system further comprising at least one primary heat source (9) and one secondary heat source (10), the heat pump (2) being connected to the primary heat source (9), wherein the primary heat source (9) is connected to a refrigeration plant (11), the primary heat source (9) being connected to the secondary heat source (10) via a booster (5). A method for integrating a heating system into a drying plant is also provided.

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