Title (en)
OPERATING METHOD FOR A PLANT IN PRIMARY INDUSTRY

Title (de)
BETRIEBSVERFAHREN FÜR EINE ANLAGE DER GRUNDSTOFFINDUSTRIE

Title (fr)
PROCÉDÉ POUR FAIRE FONCTIONNER UNE INSTALLATION DE L'INDUSTRIE PRIMAIRE

Publication
EP 2686608 A2 20140122 (DE)

Application
EP 12705647 A 20120216

Priority
• AT 3472011 A 20110314
• EP 2012052655 W 20120216

Abstract (en)
[origin: WO2012123211A2] A basic part (1) of a plant in primary industry emits hot exhaust gases in a first phase (P1) of the plant cycle, but not, or only scarcely, in a second phase (P2) of the plant cycle. The exhaust gases are discharged via a system of pipelines (2). In an evaporator device (5, 7) installed there, at least in the first phase (P1) water is evaporated and fed to a steam storage device (9, 11). In the first phase (P1), the stored steam is passed through a superheater (6), installed in the system of pipelines (2), and superheated there. A first part of the superheated steam is passed in a charging direction through a buffer store (16). It heats up a storage medium located there. The remaining superheated steam is passed to a steam turbine (17) while bypassing the buffer store (16). In the second phase (P2), saturated steam is taken from the steam storage device (9, 11), at least partially passed through the superheater (6) and combined with superheated steam, which is removed from the buffer store (16) counter to the charging direction. The combination of the two streams of steam is passed to the steam turbine (17).

IPC 8 full level
F22B 1/18 (2006.01); **F01K 3/12** (2006.01); **F01K 13/02** (2006.01)

CPC (source: EP KR)
F01K 3/12 (2013.01 - EP KR); **F01K 13/02** (2013.01 - EP KR); **F22B 1/18** (2013.01 - KR); **F22B 1/183** (2013.01 - EP)

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