

Title (en)

Device for homogenising flowable materials

Title (de)

Vorrichtung zum Homogenisieren fließfähiger Stoffe

Title (fr)

Dispositif pour l'homogénéisation de matériaux coulants

Publication

EP 0760254 B1 20010314 (DE)

Application

EP 96113419 A 19960821

Priority

- DE 19531775 A 19950829
- DE 19537303 A 19951006

Abstract (en)

[origin: EP0760254A1] The assembly, which homogenises liq. or flowing bulk solids, comprises: (a) a vessel (1); (b) a homogeniser unit (2) associated with the vessel (1), and incorporating an inlet (2) for the substances which are to be processed (21); (c) an outlet (22) emerging from the homogeniser (2); (d) a spring-valve controlled first pipe (6) between the vessel (1) and the outlet (22), by means of which the materials discharged from the outlet (22) are returned to a zone within the vessel (1) which is remote from the homogeniser (2); and (e) a second pipe (24) between the outlet (22) and the vessel (1), by means of which materials discharged from the outlet (22) are returned to a zone within the vessel (1) which is closer to the homogeniser (2) than the outlet from the first (6) pipe. The second pipe (24) incorporates a pressure-operated valve (25,26) and the valve to the second pipe (24) opens when the pressure at the discharge (22) exceeds a given threshold, and closes again when the pressure drops below a given threshold. The valve (25,26) is moved by a spring, under tension in the closed condition.

IPC 1-7

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IPC 8 full level

B01F 5/10 (2006.01); **B01F 7/16** (2006.01)

CPC (source: EP)

B01F 25/52 (2022.01); **B01F 27/811** (2022.01); **B01F 27/8111** (2022.01)

Cited by

EP1477239A1; EP0896833A1; CN114099876A; EP0988887A1; EP1121974A1; AT414101B; JP2021003668A; US9050568B2; US6866411B1; WO0156687A1; WO0001792A1

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