

Title (en)

DOSING AND MIXING APPARATUS FOR HIGH VISCOSITY MULTIPLE COMPONENT MATERIALS

Publication

EP 0150716 A3 19870603 (DE)

Application

EP 85100095 A 19850107

Priority

DE 3400280 A 19840105

Abstract (en)

[origin: EP0150716A2] The apparatus has piston pumps (1, 4) for the pumping and dosing of the individual components and a mixing and extruding unit (7) with a static mixing tube, immediately upstream of which the components are brought together in a premixing chamber. The apparatus is distinguished by the fact that the mixing and extruding unit (7) has at least two parallel-running static mixing tubes (9, 11), between which at least one empty tube (11) is arranged, and by the fact that mixing heads (8, 10), which are fitted onto the ends and in which channels (15, 16) deflect the mixture in each case by about 180 DEG, respectively connect a static mixing tube (9, 11) to an empty tube (11) and vice versa and connect the first upstream static mixing tube to the premixing chamber, via an inlet channel (13), and the last downstream static mixing tube to a discharging nozzle, via an outlet channel (18).

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B29B 7/32; B29B 7/74

IPC 8 full level

B01F 5/06 (2006.01)

CPC (source: EP)

B01F 25/43141 (2022.01); **B01F 25/433** (2022.01); **B01F 25/4331** (2022.01)

Citation (search report)

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