

Title (en)

METHOD AND DEVICE FOR PROPORTIONING AND MIXING MULTICOMPONENT PLASTICS, ESPECIALLY POLYURETHANE

Publication

**EP 0230312 A3 19871014 (DE)**

Application

**EP 87100780 A 19870121**

Priority

DE 3601806 A 19860122

Abstract (en)

[origin: EP0230312A2] The device uses at least two hydraulic piston-and-cylinder units with timed push-pull operation for each component. The hydraulic fluid displaced during proportioning by one piston-and-cylinder unit is here fed to the other piston-and-cylinder unit during filling. A stream of additional hydraulic fluid is fed to the other piston-and-cylinder unit being filled, so that filling can be carried out more rapidly than the proportioning. As a result, it is possible to operate continuously in so-called conventional piston proportioning, and since the filling takes place more rapidly than the proportioning, one piston-and-cylinder unit is always ready for proportioning. The flow of additional hydraulic fluid is maintained even after completion of the filling stroke, in order to pressurise the component material to the proportioning pressure. <IMAGE>

IPC 1-7

**B01F 15/04**; **B29B 7/24**; **B29B 7/28**

IPC 8 full level

**B01F 15/04** (2006.01); **F04B 9/117** (2006.01); **F04B 13/02** (2006.01)

CPC (source: EP)

**B01F 35/882** (2022.01); **F04B 9/1172** (2013.01); **F04B 13/02** (2013.01); **B01F 2101/2805** (2022.01)

Citation (search report)

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- [AD] DE 3329296 A1 19850228 - REINHARDT TECHNIK GMBH [DE]

Cited by

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