

## Title (en)

Gun for urethane foam and the like

## Title (de)

Pistole für Urethanschäume oder dergleichen

## Title (fr)

Pistolet pour mousse d'uréthane ou produit similaire

## Publication

**EP 1046427 A1 20001025 (EN)**

## Application

**EP 99108050 A 19990423**

## Priority

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## Abstract (en)

A gun for dispensing plastic foam material, such as urethane foam, in applying the foam in mounting panels or other components. The gun includes a removable and replaceable assembly including the nozzle (12) and further components thereby avoiding the problem of clogged nozzles and other components. Further the gun includes a manually operable indexing system for positioning a container (60) in any of three orientations relative to the gun body (36) (Fig. 2). <IMAGE>

A foam dispensing gun (10) has a removable assembly; a securement fixture; a rotor (30) having a container (60) mount extending outwardly of the body and handle structure; and a trigger device (38). The removable assembly includes a nozzle (12) with an outlet opening (20), a valve rod (16) with a cap (14), and a spring (22) disposed about and retained on the valve rod. A foam dispensing gun for dispensing foam plastic comprises a body (36) and handle structure (42); a removable assembly; a securement fixture for securing the assembly to the body and handle structure; a rotor having a container mounted extending outwardly of the body and handle structure through a slot; and a trigger device. The removable assembly includes a nozzle with an outlet opening, a valve rod with a cap, and a spring disposed about and retained on the valve rod. The rotor has an upper portion to engage the rotor to move against the valve rod cap and to move this cap from the outlet opening to dispense foam plastic.

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## IPC 8 full level

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## Citation (search report)

- [A] DE 4416939 A1 19951116 - BRUNO JESSWEIN KUNSTSTOFFTECHN [DE]
- [A] WO 9843913 A1 19981008 - INSTA FOAM PROD INC [US]
- [A] DE 19503495 A1 19960808 - AMV AUTOM MONTAGE VERTRIEB FA [DE]
- [A] EP 0676245 A2 19951011 - EHRENSPERGER C AG [CH]
- [A] DE 29515552 U1 19970206 - FISCHER ARTUR WERKE GMBH [DE]

## Cited by

CN105289869A; EP2275208A1; WO2010078817A1; EP2762235A1; WO2014118298A1; WO2014198218A1

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