

Title (en)

Apparatus for applying fluids such as adhesive, in particular hot melt adhesive

Title (de)

Vorrichtung zum Auftragen von Fluiden wie Klebstoff, insbesondere Schmelzkleber

Title (fr)

Appareil d'application de produit fluide, en particulier d'adhésif thermofusible

Publication

EP 1902787 A2 20080326 (EN)

Application

EP 07117015 A 20070924

Priority

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Abstract (en)

The invention concerns an apparatus for applying fluids such as adhesive, in particular hot melt adhesive, to a substrate which is movable relative to the apparatus, comprising a main body (12) and an application valve (22) for selectively interrupting or enabling the flow of fluid, wherein the main body (12) can be connected to a fluid source and has a slot-shaped nozzle opening (54) communicating with a distributor passage (14) and a plunger (16) which is arranged movably in the distributor passage (14) and by means of which the length of the distributor passage (14), which can be acted upon with fluid, is variable.

IPC 8 full level

B05C 5/02 (2006.01)

CPC (source: EP)

B05C 5/0258 (2013.01); **B05C 5/0266** (2013.01); **B05C 5/0279** (2013.01)

Citation (applicant)

- DE 29908150 U1 19990805 - NORDSON CORP [US]
- DE 4130432 A1 19930318 - KUESTERS EDUARD MASCHF [DE]
- US 5305955 A 19940426 - SMITHERMAN JOHN P [US], et al
- DE 10253410 A1 20040122 - BARBERAN LATORRE JESUS FRANCIS [ES]
- WO 2004103577 A1 20041202 - NORDSON CORP [US], et al
- WO 0067914 A2 20001116 - NORDSON CORP [US], et al
- DE 20308257 U1 20040930 - NORDSON CORP [US]
- DE 10103375 C1 20020627 - FABER CASTELL AG [DE]
- GB 1503511 A 19780315 - DRG PACKAGING LTD
- EP 1260277 A2 20021127 - SCM GROUP SPA [IT]

Cited by

CN109318319A; GB2516775A; GB2516775B; EP2412447A1; CN102343316A; US8677928B2; WO2013139326A1

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