

Title (en)

INJECTION NEEDLE WITH ELASTIC NEEDLE TIP

Title (de)

EINSPRITZNADEL MIT ELASTISCHER NADELSPITZE

Title (fr)

AIGUILLE D'INJECTION PRESENTANT UNE POINTE D'AIGUILLE ELASTIQUE

Publication

EP 1332283 A1 20030806 (DE)

Application

EP 01992835 A 20011030

Priority

- DE 0104102 W 20011030
- DE 10054183 A 20001102

Abstract (en)

[origin: WO0236961A1] The injection needle comprises a needle tip (11), elastically connected to a needle shaft (12) by means of a connector piece. A damping of the force with which the needle tip (11) hits the corresponding sealing seat (5) is possible by means of the elastic connection. The load on the sealing seat (5) is thus reduced.

IPC 1-7

F02M 61/10; **F02M 61/18**

IPC 8 full level

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CPC (source: EP US)

F02M 61/047 (2013.01 - EP US); **F02M 61/10** (2013.01 - EP US); **F02M 61/1873** (2013.01 - EP US); **F02M 2200/30** (2013.01 - EP US); **F02M 2200/306** (2013.01 - EP US)

Citation (search report)

See references of WO 0236961A1

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