This Sheet Has Been Replaced

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ABSTRACT

SAFETY SYRINGE WITH EXTERNALLY CONNECTABLE AND INTERNALLY RETRACTABLE SELF-BIASED NEEDLE

A safety syringe includes: a hollow needle assembly (2) having a hollow needle portion (21) detachably coupled to a shank portion (22) embedded in a sleeve portion (12) of a syringe (1) and having a needle head portion (23) formed on a rear portion of the shank portion (22), and a plunger (31) slidably held in the syringe (1) and having a biasing socket (32) recessed in the plunger (31) for engaging the needle head portion (23) of the needle assembly (2) for a coupling of the needle assembly (2) with the plunger (31) for a retraction into the syringe (1) for obliquely biasing the needle portion (21) for preventing re-protrusion of the needle (2) outwardly, thereby allowing a variety of needles of different sizes to be replaceably mounted on the shank portion (22) outside the syringe (1) for a convenient mounting of the needle (2) on the syringe (1).

[Figure 1]