

Title (en)

WEARABLE INSULIN INFUSION SYSTEM HAVING A TUBULAR RESERVOIR AND A POSITIVE DISPLACEMENT METERING MEANS.

Title (de)

TRAGABRES SYSTEM FÜR DIE INFUSION VON INSULIN MIT EINEM ROHRFÖRMIGEN VORRATSBEHÄLTER UND MITTEL FÜR DIE POSITIVE MESSUNG DER VERDRÄNGUNG.

Title (fr)

SYSTEME D'INJECTION D'INSULINE PORTABLE PAR LE PATIENT POSSEDANT UN RESERVOIR TUBULAIRE, UN DEPLACEMENT POSITIF ET UN MOYEN DE MESURE.

Publication

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Application

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Priority

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Abstract (en)

[origin: WO8101658A1] A wearable infusion system for delivering a fluid medication such as insulin to a patient through a needle, cannula or catheter (28). The infusion system includes a medication-filled elongate, thin-walled tubular reservoir (40) and a positive displacement metering assembly (22) operated by a power source under the control of a controller such as a microprocessor (24). The positive displacement metering assembly (22) draws the reservoir (40) inwardly between squeeze surfaces (56) which forces the medication toward the remote end where it discharges through an associated cannula, catheter or needle (28) into a patient. The rate and frequency at which the metering assembly is operated controls the rate and frequency at which the medication is delivered to the patient. The tubular reservoir defines a plurality of loops (48) so that a maximum amount of fluid medication may be disposed in a housing.

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