Title (en)

INJECTION DART SYSTEM

Title (de)

INJEKTIONSWURFPFEILSYSTEM

Title (fr)

SYSTEME DE FLECHETTES A IMPLANT

Publication

**EP 0956079 A4 20010425 (EN)**

Application

**EP 96919086 A 19960605**

Priority

- US 9608872 W 19960605
- US 47334695 A 19950607
- US 47334795 A 19950607

Abstract (en)

[origin: WO9640351A1] An implant dart (10) has a head (20) of solid material and a tubular body (30) that contains one or more drug delivery implant packages (50). The head has a blade (27) at its front end with a chisel-type point with a beveled end (28) and a scooped face extending rearwardly to the body. The body is formed as a helical coil (32) that makes the body tubular, and permits the coil turns to be compressed and engage to make the body relatively rigid when the dart is injected into the subject. A passage (60) from the head to the interior of the body provides fluid communication between the subject's body fluids and the implant packages. The complete system comprises at least one dart, an injection mechanism which retains a subject's body part on a platen, and feeds darts into the body part generally parallel to the platen.

IPC 1-7

**A61M 31/00**; A61D 7/00

IPC 8 full level

**A61D 7/00** (2006.01); **A61M 31/00** (2006.01)

CPC (source: EP KR)

**A61D 7/00** (2013.01 - EP); **A61M 31/00** (2013.01 - KR); **A61M 31/002** (2013.01 - EP); **A61M 37/0069** (2013.01 - EP)

Citation (search report)

- [XA] GB 1366039 A 19740904 - SMITH L C
- [A] GB 1591226 A 19810617 - MINNESOTA MINING & MFG
- [A] US 4687480 A 19870818 - LABY RALPH H [AU], et al
- [A] WO 9319698 A1 19931014 - DARATECH PTY LTD [AU], et al
- See also references of WO 9640351A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

**WO 9640351 A1 19961219**; AU 6152096 A 19961230; AU 712482 B2 19991111; BG 102105 A 19980529; BG 63001 B1 20010131; BR 9609406 A 19990511; CA 2221329 A1 19961219; CN 1186448 A 19980701; EP 0956079 A1 19991117; EP 0956079 A4 20010425; HU P9900855 A2 19990628; HU P9900855 A3 20000928; IL 122465 A0 19980615; JP H11506668 A 19990615; KR 19990022725 A 19990325; MX 9709307 A 19980228; NZ 310689 A 19991129; PL 323721 A1 19980414; TW 305765 B 19970521

DOCDB simple family (application)

**US 9608872 W 19960605**; AU 6152096 A 19960605; BG 10210597 A 19971205; BR 9609406 A 19960605; CA 2221329 A 19960605; CN 96194345 A 19960605; EP 96919086 A 19960605; HU P9900855 A 19960605; IL 12246596 A 19960605; JP 50134097 A 19960605; KR 19970709167 A 19971208; MX 9709307 A 19960605; NZ 31068996 A 19960605; PL 32372196 A 19960605; TW 85108610 A 19960716