

Title (en)

URETERAL STONE OCCLUDER HAVING A BRAIDED FILTER

Title (de)

VERSCHLUSSSYSTEM MIT GEFLOCHTENEM FILTER FÜR HARNLEITERSTEINE

Title (fr)

DISPOSITIF D'OCCLUSION POUR CALCUL URETERAL AVEC FILTRE TRESSÉ

Publication

EP 0955912 A1 19991117 (EN)

Application

EP 97953447 A 19971231

Priority

- US 9723881 W 19971231
- US 3413796 P 19961231

Abstract (en)

[origin: WO9829043A1] An occluder (10) insertable into a body passage for limiting the migration of fragments resulting from the disintegration of stones, calculus or the like includes an elongated mandrel (12); a coil (18) closely positioned over part of the mandrel (12), having proximal and distal ends (20 and 22) defining a proximal segment (24) and a distal segment (26) of the mandrel (12) not covered by the coil (18); and a braid (28) positioned over and encircling all of the distal segment (26) of the mandrel (12) and preferably at least part of the wire coil (18). The distal end (16) of the elongated mandrel (12) is fixed with respect to the distal end (34) of the braid (28), while the proximal end (32) of the braid (28) is fixed with respect to the coil (18). The coil (18) and the elongated mandrel (12) are longitudinally moveable with respect to one another between relatively adjacent and relatively spaced-apart positions, such that movement to their relatively adjacent position expands the braid (28) radially so as to occlude the body passage and form a filter (36) which blocks the migration of fragments in the body passage while allowing the flow of fluid in the body passage. The coil (18) is preferably wound from flat wire, while the braid (28) is preferably formed from a woven plurality of strands (30). The occluder (10) can also include a handle (44) connected to the proximal end (14) of the mandrel (12) and to the proximal end (20) of the coil (18), for moving the mandrel (12) and coil (18) between their two relative positions.

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Citation (search report)

See references of WO 9829043A1

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