

Title (en)
SOFT TISSUE BIOPSY INSTRUMENT

Title (de)
GEWEBEBIOPSIE-INSTRUMENT

Title (fr)
INSTRUMENT DE BIOPSIE POUR TISSUS MOUS

Publication
EP 1781177 A1 20070509 (EN)

Application
EP 04780589 A 20040810

Priority
US 2004025780 W 20040810

Abstract (en)
[origin: WO2006022699A1] Soft tissue biopsy apparatus (10) for obtaining a tissue specimen comprises a compact handle (12) functioning as a housing having an opening at a front end (16) thereof through which a tubular cannula (14) is arranged to pass. Disposed in the lumen of the cannula (14) is a stylet (20) having a notch (34) formed near its distal end in which a tissue sample is to be captured. First and second springs are operatively coupled individually to the cannula (14) and stylet (20) and a cocking slide (48) incorporating a force reducing mechanism used to compress the springs while establishing the size of the specimen to be collected in the notch (34). A trigger (50) mounted on the cocking slide (48) can be used to release the compressed springs in close succession to a first advance the end of the stylet (20) beyond the end of the cannula (14) whereby tissue to be extracted flows into the notch (34) and then the spring driving the cannula (14) is released forcing the cannula (14) forward and severing the piece of tissue contained in the notch (34) from surrounding tissue.

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