

Title (en)  
EMBOSSSED TUFTING NEEDLE

Title (de)  
GEPRÄGTE TUFTINGNADEL

Title (fr)  
AIGUILLE À TUFTER GAUFRÉE

Publication  
**EP 1727931 B1 20080604 (DE)**

Application  
**EP 05715360 A 20050217**

Priority  
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Abstract (en)  
[origin: US2007193487A1] A novel tufting needle ( 4 ) is distinguished by a hollow flute ( 15 ) which is preferably symmetrical to a central plane ( 29 ) and which is bilaterally provided with chamfers ( 33, 34 ). The chamfers ( 33, 34 ) are, in an inward-located, that is, in a region lying close to the central plane ( 29 ), inclined at a small acute angle (alpha) to a reference plane ( 28 ), while in a region bordering an externally located rim (edges ( 46, 47 )), the chamfers ( 33, 34 ) are inclined at a larger acute angle (beta) to the reference plane ( 28 ). This feature improves the rigidity, the tufting properties and the mechanical strength, as well as the wear resistance of the novel tufting needle ( 4 ).

IPC 8 full level  
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