

Title (en)  
FILLING TOOL FOR THE INSERTION AND FASTENING OF BRISTLE BUNDLES

Publication  
**EP 0289059 B1 19930120 (EN)**

Application  
**EP 88200339 A 19880224**

Priority  
BE 8700196 A 19870303

Abstract (en)  
[origin: EP0289059A1] Filling tool for the insertion and fastening of brush bristles by means of anchor plates, of the type by which the front end (20) consists of two guide elements (16, 17) for guiding anchor plates (4), characterized by the fact that these guide elements (16, 18) are movable with regard to one another according to the filling direction of the filling tool (16).

IPC 1-7  
**A46D 3/04**

IPC 8 full level  
**A46D 3/04** (2006.01)

CPC (source: EP)  
**A46D 3/042** (2013.01)

Cited by  
DE102014009277A1; DE102014009277B4; DE4317407C1; US6009589A; US9687071B2

Designated contracting state (EPC)  
DE ES GB IT

DOCDB simple family (publication)  
**DE 8802809 U1 19880414**; BE 1000359 A4 19881108; DE 3877615 D1 19930304; DE 3877615 T2 19930513; EP 0289059 A1 19881102; EP 0289059 B1 19930120; ES 2037195 T3 19930616

DOCDB simple family (application)  
**DE 8802809 U 19880302**; BE 8700196 A 19870303; DE 3877615 T 19880224; EP 88200339 A 19880224; ES 88200339 T 19880224