

Title (en)  
Sewing needle for multidirectional sewing

Title (de)  
Nähnael zum multidirektionalen Nähen

Title (fr)  
Aiguille de couture pour couture multidirectionnelle

Publication  
**EP 1127973 B1 20040721 (DE)**

Application  
**EP 01101316 A 20010120**

Priority  
DE 10008447 A 20000223

Abstract (en)  
[origin: US2001015162A1] A sewing machine needle includes a blade; a shank extending from one blade end and adapted to be clamped in a sewing machine; a needle point provided at the other blade end; an elevation provided on the blade adjacent the needle point; and an eye traversing the blade adjacent the needle point. The eye has a first eye end oriented toward the shank; a second eye end oriented toward the said point; a thread inlet side; and a thread outlet side. The elevation is situated on the thread outlet side between the needle point and the second eye end. The eye is bordered by two facing eye walls each having a respective edge at the thread outlet side. Each edge extends from the first eye end to the second eye end such that it is recessed from an imaginary straight line connecting the first eye end with the elevation.

IPC 1-7  
**D05B 85/00**

IPC 8 full level  
**D05B 85/02** (2006.01); **D05B 85/00** (2006.01)

CPC (source: EP US)  
**D05B 85/00** (2013.01 - EP US)

Citation (examination)

- DE 19932288 A1 20010125 - GROZ BECKERT KG [DE]
- DE 19921913 A1 20001207 - GROZ BECKERT KG [DE]
- DE 2647786 A1 19770518 - UNION SPECIAL CORP

Cited by  
CN104404722A; EP3885482A1; EP2896732A1; US9758911B2; WO2015110386A1

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**EP 1127973 A1 20010829; EP 1127973 B1 20040721**; DE 10008447 A1 20010906; DE 10008447 C2 20020725; DE 50102892 D1 20040826; ES 2220596 T3 20041216; JP 2001246191 A 20010911; JP 4528454 B2 20100818; US 2001015162 A1 20010823; US 6318281 B2 20011120

DOCDB simple family (application)  
**EP 01101316 A 20010120**; DE 10008447 A 20000223; DE 50102892 T 20010120; ES 01101316 T 20010120; JP 2001044074 A 20010220; US 79079701 A 20010223