

Title (en)  
Bobbin of thread with bar code

Title (de)  
Garnspule mit Strichcode

Title (fr)  
Bobine de fil avec code à barres

Publication  
**EP 0597184 B1 19971105 (DE)**

Application  
**EP 93110660 A 19930703**

Priority  
DE 9215334 U 19921111

Abstract (en)  
[origin: EP0597184A1] A bobbin (1) of thread with bar code (8) bears the bar code (8) on the end face of a bobbin flange (2), the bar code (8) being miniaturised so that bobbin diameters of less than 27 mm may be used. <IMAGE>

IPC 1-7  
**B65H 75/18**

IPC 8 full level  
**B65H 75/18** (2006.01); **G09F 3/00** (2006.01)

CPC (source: EP)  
**B65H 75/182** (2013.01); **G09F 3/00** (2013.01); **B65H 2701/31** (2013.01)

Cited by  
US7287721B2; US6874725B1; DE19653814A1; US6334587B1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0597184 A1 19940518; EP 0597184 B1 19971105**; AT E159917 T1 19971115; CA 2099839 A1 19940512; DE 59307640 D1 19971211; DE 9215334 U1 19930121; ES 2111667 T3 19980316

DOCDB simple family (application)  
**EP 93110660 A 19930703**; AT 93110660 T 19930703; CA 2099839 A 19930705; DE 59307640 T 19930703; DE 9215334 U 19921111; ES 93110660 T 19930703