

Title (en)
DEVICE FOR WINDING THREADS

Publication
EP 0031821 B1 19840104 (DE)

Application
EP 80901178 A 19810209

Priority
CH 640879 A 19790710

Abstract (en)
[origin: WO8100248A1] The device for winding threads or similar comprises a friction driving shaft (14) and a bobbin holder shaft (11). The bobbin holder shaft (11) is overhung allowing an easy access. To eliminate any deflection of the parallelism of the two shafts (11, 14), that is to say to obtain perfect bobbins (12) a coupling means (20) is coupled to the shaft (11) which slides during the winding causing a forced parallelism of the two shafts (11, 14).

IPC 1-7
B65H 54/54

IPC 8 full level
B65H 54/547 (2006.01); **B65H 54/54** (2006.01)

CPC (source: EP US)
B65H 54/52 (2013.01 - EP US); **B65H 54/547** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Cited by
CN104555596A

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DOCDB simple family (publication)
WO 8100248 A1 19810205; AU 6027180 A 19810115; BR 8008752 A 19810526; DE 3066047 D1 19840209; EP 0031821 A1 19810715; EP 0031821 B1 19840104; ES 493613 A0 19810601; ES 8105225 A1 19810601; HK 92385 A 19851129; IN 152736 B 19840324; IT 1131942 B 19860625; IT 8023346 A0 19800709; JP H0253348 B2 19901116; JP S56500883 A 19810702; US 4394985 A 19830726

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EP 8000037 W 19800626; AU 6027180 A 19800709; BR 8008752 A 19800626; DE 3066047 T 19800626; EP 80901178 A 19810209; ES 493613 A 19800708; HK 92385 A 19851121; IN 769CA1980 A 19800703; IT 2334680 A 19800709; JP 50142280 A 19800626; US 24392281 A 19810310