

Title (en)  
Tambour frame with a clamping device

Title (de)  
Stickrahmen mit einer Spannvorrichtung

Title (fr)  
Cadre de broderie avec un dispositif de serrage

Publication  
**EP 1972711 A1 20080924 (DE)**

Application  
**EP 08405016 A 20080117**

Priority  
CH 4442007 A 20070320

Abstract (en)  
The frame has an outer frame (3) opened on a position, and a rotary knob arranged on the outer frame, and two opened ends (13, 15) contractible on the outer frame around an inner frame (5) by the knob. A longitudinal traction element i.e. gear rod (17), is arranged as a clamping device on the end (13), and is arranged as a rotatable and drivable clamping element i.e. toothed pinion, on the end (15). The rotatable and drivable clamping element is engaged on the traction element, and the toothed pinion is connected with a ratchet in a rotatably fixed manner.

Abstract (de)  
Am Stickrahmen (1) ist eine Spannvorrichtung (11) angeordnet, welche mit einem Drehknopf (33) das Spannen des Aussenrahmens (3) ermöglicht. Im Drehknopf (33) ist zum Schutz vor Beschädigung eine Ratsche (37) eingesetzt und zum einfachen Öffnen nach Beendigung des Stickvorgangs ein Freilauf (45) eingesetzt.

IPC 8 full level  
**D05C 1/02** (2006.01); **D05C 9/04** (2006.01)

CPC (source: EP US)  
**D05C 1/02** (2013.01 - EP US); **D05C 9/04** (2013.01 - EP US)

Citation (applicant)  
• US 629847 A 18990801 - DOOLITTLE ELIZABETH [US]  
• DE 3130882 A1 19820401 - AISIN SEIKI [JP]  
• DE 29508369 U1 19950803 - PFAFF AG G M [DE]

Citation (search report)  
• [XA] DE 29508369 U1 19950803 - PFAFF AG G M [DE]  
• [XA] GB 2399353 A 20040915 - SUNSTAR PRECISION CO LTD [KR]  
• [XA] US 2005229830 A1 20051020 - HORI MASAYUKI [JP]  
• [XA] US 2002046687 A1 20020425 - KATO MASATO [JP]  
• [XA] US 586947 A 18970720  
• [XA] DE 19637866 A1 19980319 - ZSK STICKMASCH GMBH [DE]  
• [A] US 6276288 B1 20010821 - HATTORI OSAMU [JP], et al  
• [A] US 2003209180 A1 20031113 - SHIBATA MASANORI [JP]

Designated contracting state (EPC)  
CH CZ DE GB LI SE

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 1972711 A1 20080924**; **EP 1972711 B1 20100324**; DE 502008000460 D1 20100506; US 2008229629 A1 20080925; US 7562475 B2 20090721

DOCDB simple family (application)  
**EP 08405016 A 20080117**; DE 502008000460 T 20080117; US 3819108 A 20080227