

Title (en)  
Layered roller

Title (de)  
Mehrschichtige Walze

Title (fr)  
Rouleau avec plusieurs couches

Publication  
**EP 1195262 A2 20020410 (EN)**

Application  
**EP 01121795 A 20010921**

Priority  
US 67942100 A 20001004

Abstract (en)  
A roller that is insensitive to changes in engagement and drag torque, includes a rigid core; a first layer surrounding the core and having a Poisson's ratio of between 0.4 and 0.5 and a modulus of elasticity of between 0.2 and 10 MPa; a second layer surrounding the first layer and having a modulus of elasticity between 50 thousand and 210 thousand MPa; and a third layer surrounding the second layer and having a Poisson ratio of between 0.4 and 0.5 and a modulus of elasticity of between 0.2 and 10 Mega-Pascals. <IMAGE>

IPC 1-7  
**B65H 27/00**; **F16C 13/00**; **B41N 7/00**; **B41F 13/08**

IPC 8 full level  
**B41N 7/00** (2006.01); **B65H 5/06** (2006.01); **F16C 13/00** (2006.01)

CPC (source: EP)  
**B41N 7/00** (2013.01); **B41N 2207/02** (2013.01); **B41N 2207/04** (2013.01); **B41N 2207/10** (2013.01); **B41N 2207/14** (2013.01)

Cited by  
CN102883887A; WO2011139215A1

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

DOCDB simple family (publication)  
**EP 1195262 A2 20020410**; **EP 1195262 A3 20040428**; **EP 1195262 B1 20060412**; DE 60118679 D1 20060524; DE 60118679 T2 20070125; ES 2258051 T3 20060816; JP 2002195249 A 20020710

DOCDB simple family (application)  
**EP 01121795 A 20010921**; DE 60118679 T 20010921; ES 01121795 T 20010921; JP 2001303991 A 20010928