

Title (en)  
DEFLECTION ADJUSTABLE ROLL AND SYSTEM

Title (de)  
ROLLE MIT EINSTELLBARER ABWEICHUNG UND SYSTEM DAFÜR

Title (fr)  
ROULEAU À FLEXION RÉGLABLE ET SYSTÈME

Publication  
**EP 2501855 A1 20120926 (EN)**

Application  
**EP 11706859 A 20110202**

Priority  
• FI 20105109 A 20100205  
• FI 2011050086 W 20110202

Abstract (en)  
[origin: WO2011095691A1] The invention is relating to a deflection adjustable roll of a fiber web machine comprising a stationary shaft (2), a shell (1) arranged rotatably around the shaft (2), and loading elements (6) supported in the shaft (2) for loading the shell from inside through a hydraulic pressure medium, and the roll comprises separate loading pressure supply (Ps) and lubrication supply (Qs) for the loading elements (6), and a group of digital hydraulic first loading valves (P1...PN) is arranged inside the roll each of them being arranged loading element specific in a flow connection with a loading cylinder (20) comprised by the loading element (6). The invention is relating also to a system for loading a deflection adjustable roll.

IPC 8 full level  
**D21G 1/02** (2006.01); **F16C 13/00** (2006.01)

CPC (source: EP FI)  
**D21G 1/022** (2013.01 - EP FI); **F16C 13/003** (2013.01 - FI); **F16C 13/028** (2013.01 - EP FI)

Citation (search report)  
See references of WO 2011095691A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2011095691 A1 20110811**; CN 102753755 A 20121024; EP 2501855 A1 20120926; FI 121896 B 20110531; FI 20105109 A0 20100205

DOCDB simple family (application)  
**FI 2011050086 W 20110202**; CN 201180008485 A 20110202; EP 11706859 A 20110202; FI 20105109 A 20100205