

Title (en)  
ELECTROHYDRAULIC DRIVE FOR PROCESS LINE WINDERS, UNWINDERS AND OTHER EQUIPMENT

Publication  
**EP 0188035 A3 19861210 (EN)**

Application  
**EP 85202147 A 19831021**

Priority  
US 43597582 A 19821022

Abstract (en)  
[origin: EP0188035A2] A hydraulic cylinder (106) controls linear traversing movement of a spooler (16) under the control of a high speed servo-valve (136) that in turn is controlled by electronic circuitry. Position, velocity and rotation speed transducers (106, 114 and 116) for the spooler and a position transducer (118) for a strand (18) being wound onto or unwound from the spool provide input signals to the circuitry.

IPC 1-7  
**B21C 47/04**; **B21C 47/16**

IPC 8 full level  
**B21C 47/02** (2006.01); **B65H 23/195** (2006.01); **B65H 59/38** (2006.01); **F15B 11/028** (2006.01); **G05B 11/32** (2006.01)

CPC (source: EP)  
**B21C 47/02** (2013.01); **B65H 23/1955** (2013.01); **B65H 59/38** (2013.01)

Citation (search report)  
• [X] CH 569658 A5 19751128 - STEIN KG DRAHTZUG DRAHTFAB  
• [A] US 4083515 A 19780411 - DICKERSON HENRY A  
• [AP] PATENT ABSTRACTS OF JAPAN, vol. 6, no. 220 (M-169)[1098], 5th November 1982; & JP - A - 57 126 350 (KOBE SEIKOSHO) 06-08-1982

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Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0188035 A2 19860723**; **EP 0188035 A3 19861210**; AU 2049383 A 19840503; BR 8305796 A 19840529; CA 1199704 A 19860121; DK 485883 A 19840423; DK 485883 D0 19831022; EP 0107959 A2 19840509; EP 0107959 A3 19840711; ES 526678 A0 19850101; ES 8502403 A1 19850101; FI 833436 A0 19830926; FI 833436 A 19840423; JP H0371346 B2 19911112; JP S5997971 A 19840606; ZA 837137 B 19840627

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**EP 85202147 A 19831021**; AU 2049383 A 19831021; BR 8305796 A 19831020; CA 439172 A 19831018; DK 485883 A 19831022; EP 83306411 A 19831021; ES 526678 A 19831021; FI 833436 A 19830926; JP 19356183 A 19831018; ZA 837137 A 19830926