

(19) (KR)
(12) (A)

(51) . Int. Cl.⁷
B41J 3/407

(11) 10-2004-0108729
(43) 2004 12 24

(21)	10-2004-7016252		
(22)	2004 10 11		
	2004 10 11		
(86)	PCT/US2003/005929	(87)	WO 2003/086761
(86)	2003 02 27	(87)	2003 10 23

(30)	10/121,536	2002 04 12	(US)
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(71)	55133-3427	.	33427
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(72)	55133-3427	.	33427
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(54)

(40) ,		(72),
(60)	,	

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(date code),

(flexographic ink rolling coding system)

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5,292,713

5,661,099 가

2,492,908

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(無)

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560,293 , 5,674,345 ; 5,524,996 ; 5,487,337 ; 5,497,701 5,
가

5,437,228 : 5,940,107 : 5,879,507 : 0637547 B1 : 0834404

, 'Apparatus for Variable Image Printing on Tape' 6,
049,347 (Ewert et al.), 'Apparatus and Process for Variable Image Printing on Tape' 6,
067,103 (Ewert et al.), 'Device and Method for Applying Linerless Labels' PCT WO 98/42578
(Lenkl), 'Variably Printed Tape And System For Printing And Applying Tape Onto Surfaces' PC
T WO 00/34131 (Faust et al.) St. Paul 3M Company , 3M - M
atic CA2000 Corner Label Applicator PS2000 Print amp; Seal Applicator

(41)가	,	,	()	,	,	,
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(12)	(40)	가	(21)	(46)	(46)	(40)
가	,	(50)	(21)	(48)	,	가
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(46)	(54)	(21)	(48, 50)	가	,	(52)
가	(21)	,	가	,	가	,
(50)	(48)	,	(56)가	(46)	(56)	,
,	,	,	(58)	,	(54)	,
(52)	(48)	,	,	,	(48, 50)	,
(56)가	(54)	,	,	(50)	가	가
(48)	,	,	,	(48)	,	,
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(12)	(46)	,	(21)	(60)	,	,
가	(40)	,	,	,	1	(3)
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(60)	(68)	가	(70)	(9)	,	,
,	,	(60)	,	,	,	,
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548	St. Paul	Grainger	Industrial Supply	Dayton	4C	
2	Hingham	PIAB USA	PIAB	M-20		가
가	(60)	,	(wipe down)	(64)	(64)	2
(65)	(10)	,	가	(61)	(buffing)	
,	,	,	,	,	,	,
(12)	(60)	가	(21)	가	(72)	(40)
1	(40)	(40)	,	,	,	,
(80)(5	9)	,	,	,	,
4	(60)	(72)	[2	,	,
(62),	(62)	(65)	(64)	,	(64)	(60)
2	(67)	(66)	(65)	,	(65)	(62)
67)	(60)	(60)	(60)	2	(46)	가
,	,	,	,	2	(62)	(62)
가	,	,	,	2	2가	()
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(62)	(66)	가	,	,	,	,
(67)	,	,	,	,	,	,
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(60)	,	,	,	,	,	,
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(62)	,	,	,	,	,	,
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(84)	,	,	,	,	,	,
(76)	,	,	,	,	,	,
(78)	,	,	,	,	,	,
(82)	,	,	,	,	,	,

(76, 78)	가 2	가	가 2
(72)		(94)	
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(60)		1	2
60) , (65) 2	가 (94)	(60)	(60) 가 가
	(60) 가		
,			,
		(46)	(60)
1 , 2	가 (60)	,	가
			2
1			1
2 ,			
(94)			
3 (72) 1 (80), 4 (60) 2 (72) (68), 5	Eden Prairie Hauppauge SMC Corporation of America Festo Corporation (10) 5		
3 (56), (84) CM2C25-100A DSNU-16-250-PPV-A			
rammable logic controller) (10) kee Allen Bradley Micrologix 1000 1761-L32BB			PLC(prog Milwaukee 가)
(10)			
		가	
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,		가	
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가			
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가			

(57)

(tape puller);

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1 , 2 가 , 1

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3 , 가 1 2 ,

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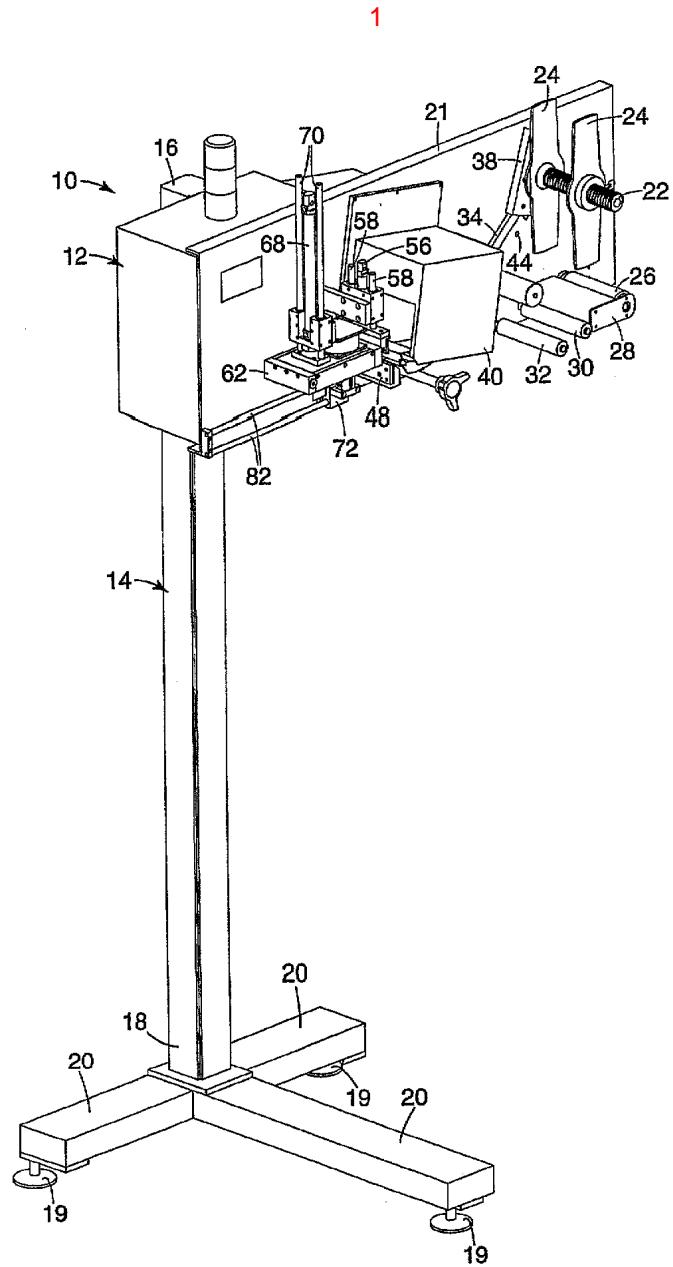
37.

38.

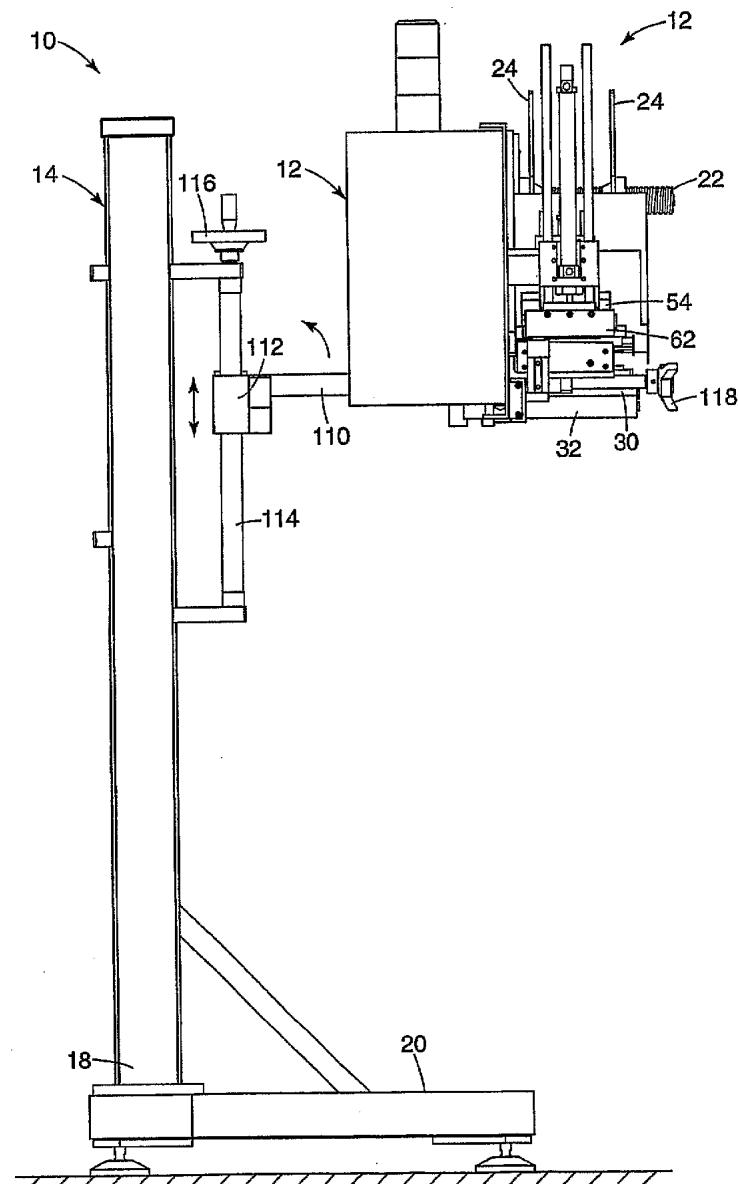
29

39.

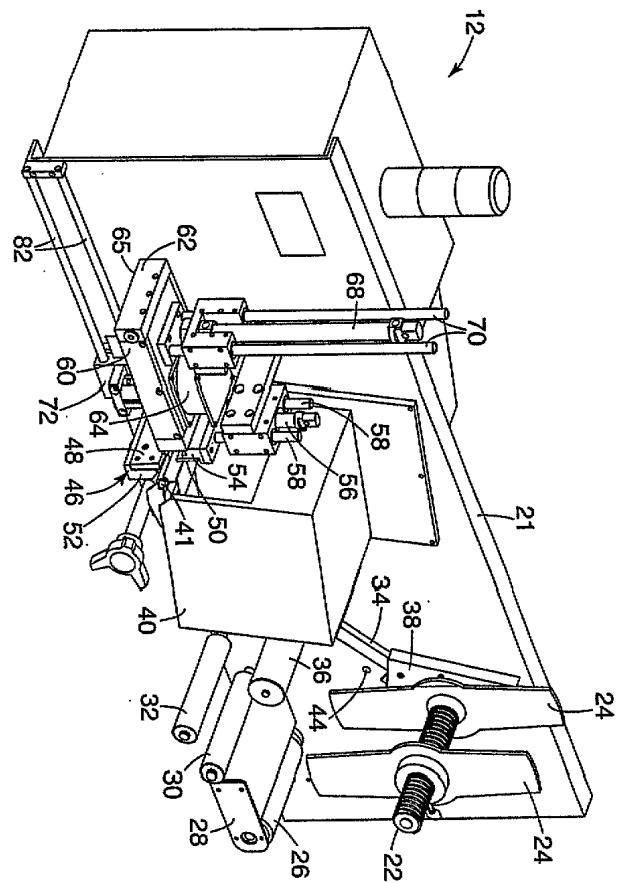
38



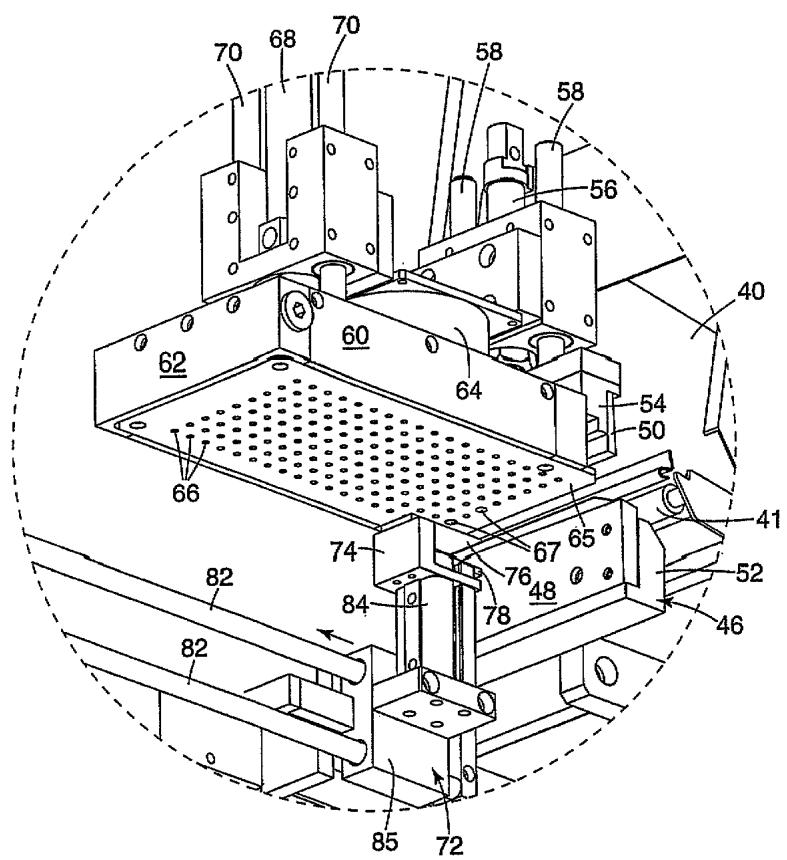
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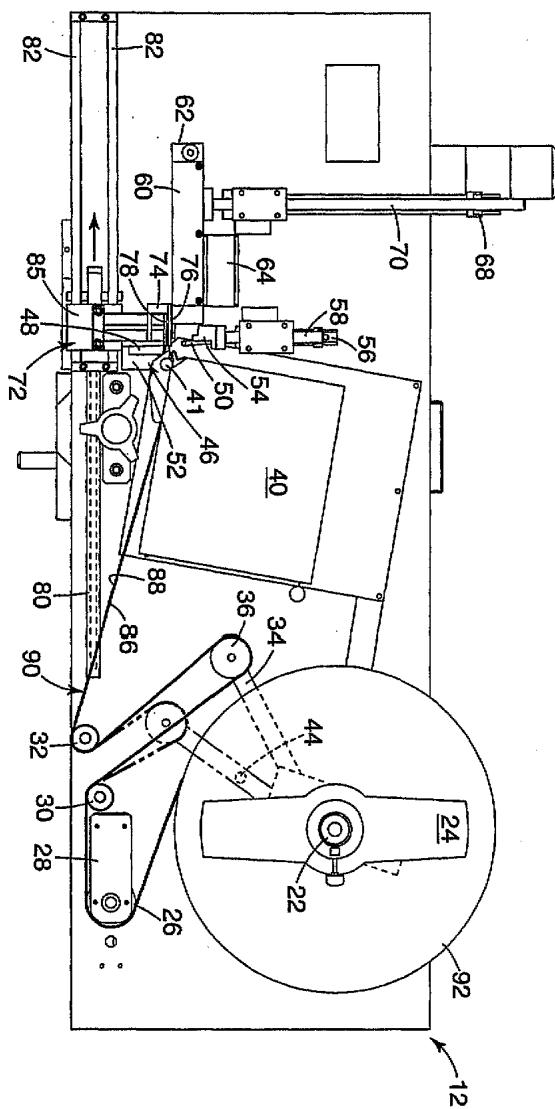


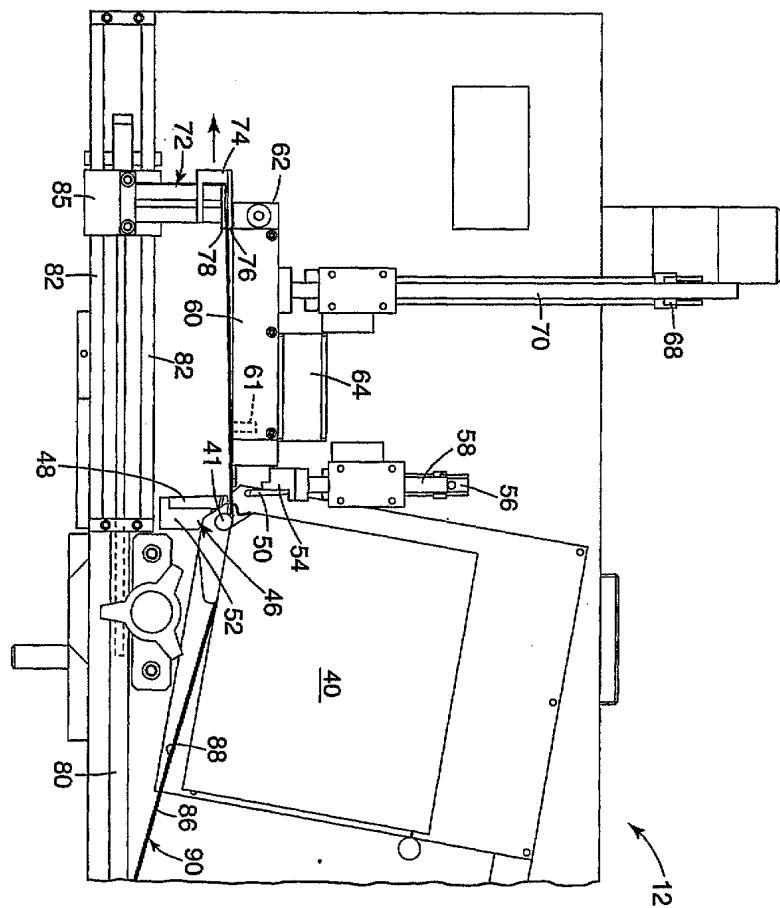
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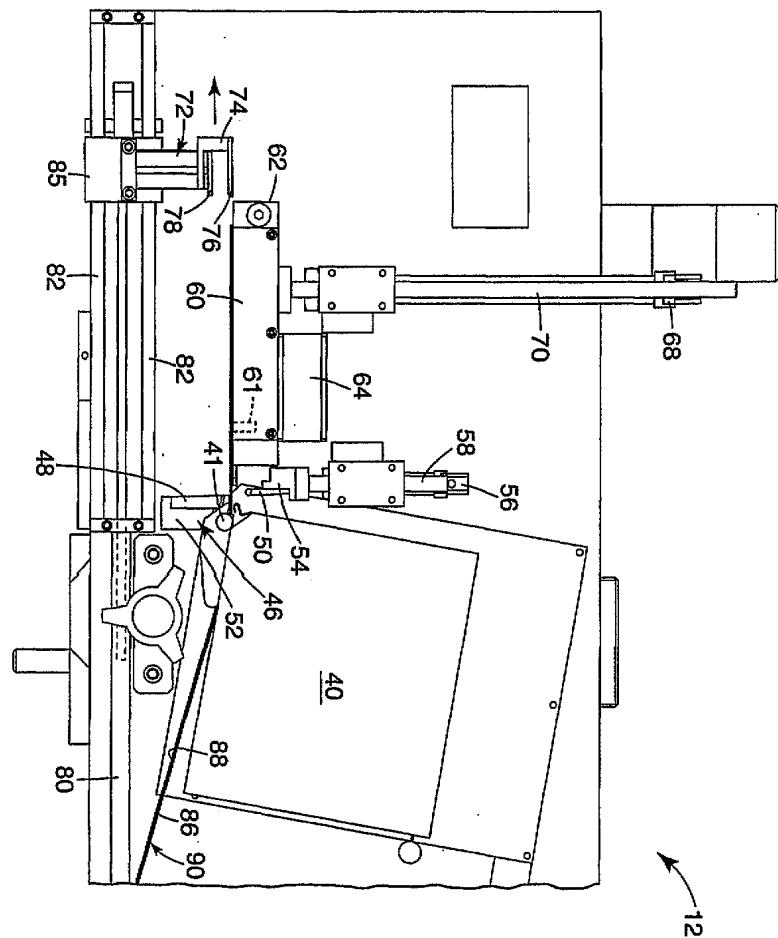


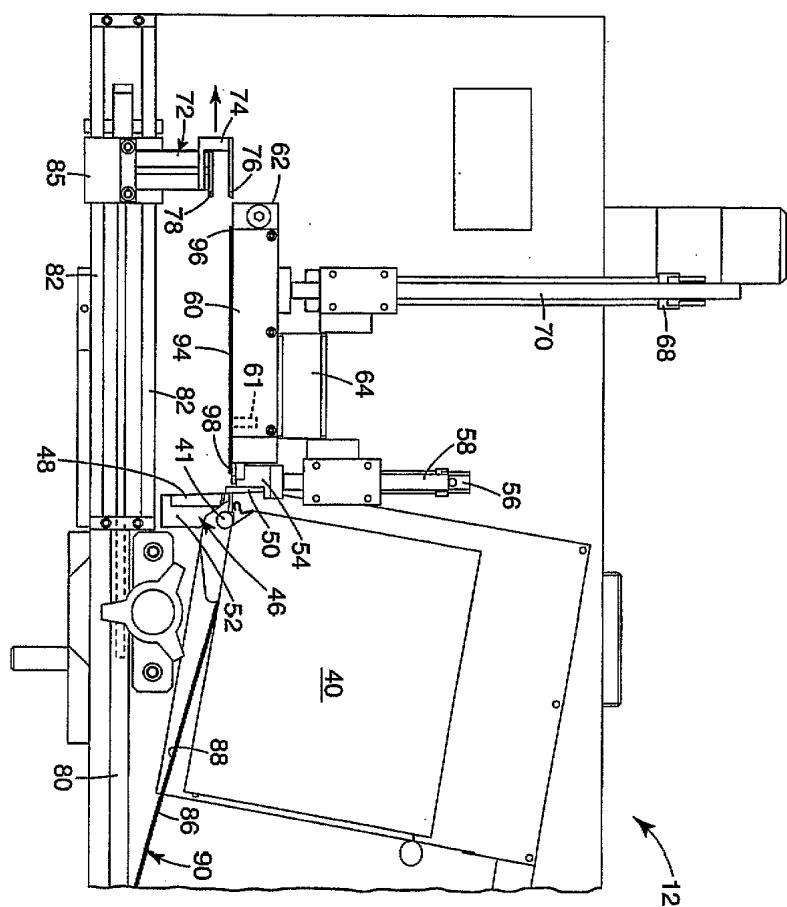
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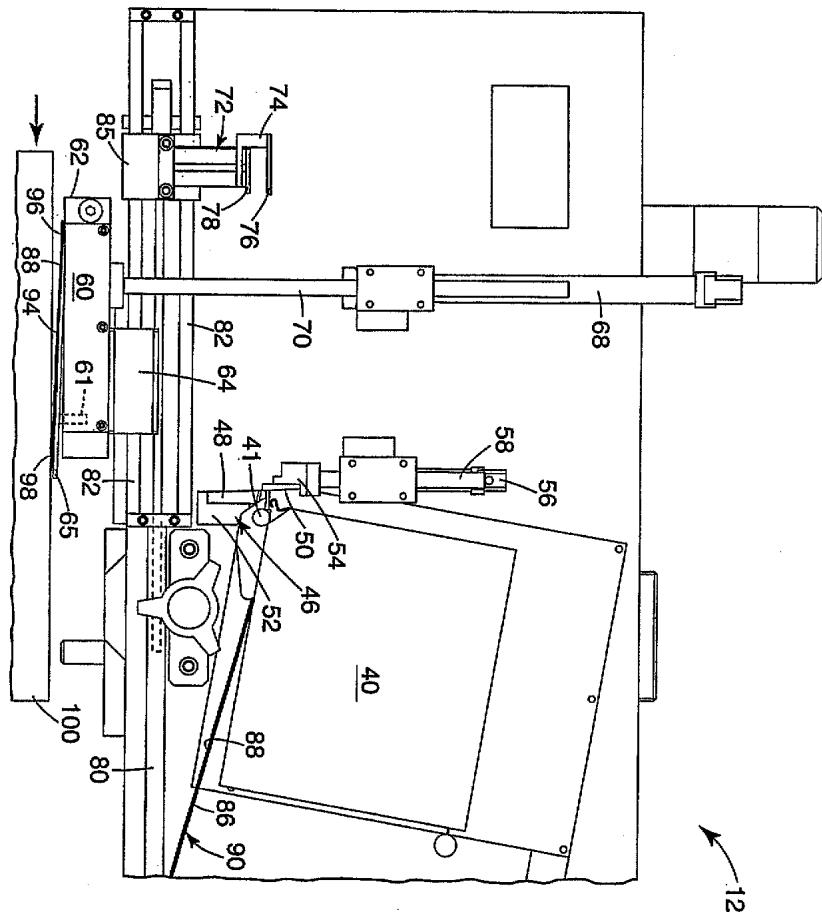












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