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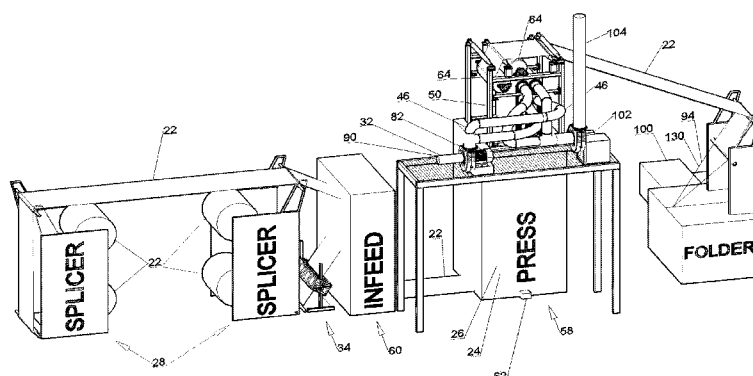


Fig. 2

(57) Abstract: A process and apparatus for converting a coldset printing press to a hybrid heatset and coldset printing press that comprises a infrared heater with a footprint of only about 5 square feet, and optionally an electrical VOC incinerator of about the same size. The hybrid heatset and coldset printing press does not need to make any blanket changes, roller changes, or ink changes when switching between heatset and coldset printing; only the paper is changed.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - B05C 17/02, B41F 7/02, B41F 17/00 (2015.01) CPC - B41F 17/00, B41F 23/0436 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) USPC: 101/178 IPC: B05C 17/02, B41F 7/02, B41F 17/00 (2015.01)		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC: 34/1, 34/4, 101/217, 101/488, 101/* IPC: B41L35/14, F26B3/34		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Patbase, Google (Web, Patents, Images) Print, printing, hybrid, solar, close, enclosure, lamp, infrared, touch, screen, control, interface, heatset, coldset, drive, web, shroud, assembly, box, bulb, assembly,		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2009/0223393 A1 (Benz et al.) 10 September 2009 (10.09.2009) entire document, especially fig. 1; para [0040], [0054]-[0057]	1-8, 10-15
Y	US 2011/0131829 A1 (Zagar et al.) 09 June 2011 (09.06.2011) entire document, especially figs. 1-3, 10, 13, para [0051] [0057], [0060])	1-8, 10-15
Y	US 3,826,014 A (Helding) 30 July 1974 (30.07.1974) entire document, especially fig. 7; col 8, ln 26-40.	6
Y	US 4,179,820 A (Steffensen et al.) 25 December 1979 (25.12.1979) entire document, especially fig. 1; col 5, ln 37-42	12
Y	US 5,676,754 A (Helms et al.) 14 October 1997 (14.10.1997) entire document, especially fig. 7, col 9, ln 10-24.	10-11, 13
Y	US 5,947,026 A (Murray et al.) 07 September 1999 (07.09.1999) entire document, especially fig. 4; col 5; ln 16-36.	13
Y	US 5,937,540 A (Lee) 17 August 1999 (17.08.1999) entire document, especially fig. 3, col 2, ln 39-41, col 1, ln 51-53.	14-15
Y	US 2,855,494 A (Kuebler) 17 October 1958 (17.10.1958) entire document, especially fig. 1 col 1, ln 15-19.	14-15
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	US 2011/0131829 A1 (Colin et al.) 09 August 2007 (09.08.2007) entire document, especially fig. 1; para [0004]-[0005], [0015], [0021].	10-11
Y	US 5,937,535 A (Hoffman, Jr. et al) 17 August 1999 (17.08.1999) entire document, especially fig. 1-3, col 6, ln 28-39 col 5; ln 52-55.	10-11
Y	US 5,992,318 A (DiBello et al.) 30 November 1999 (30.11.1999) entire document, especially col 5, ln 47-50; fig. 3.7.	11