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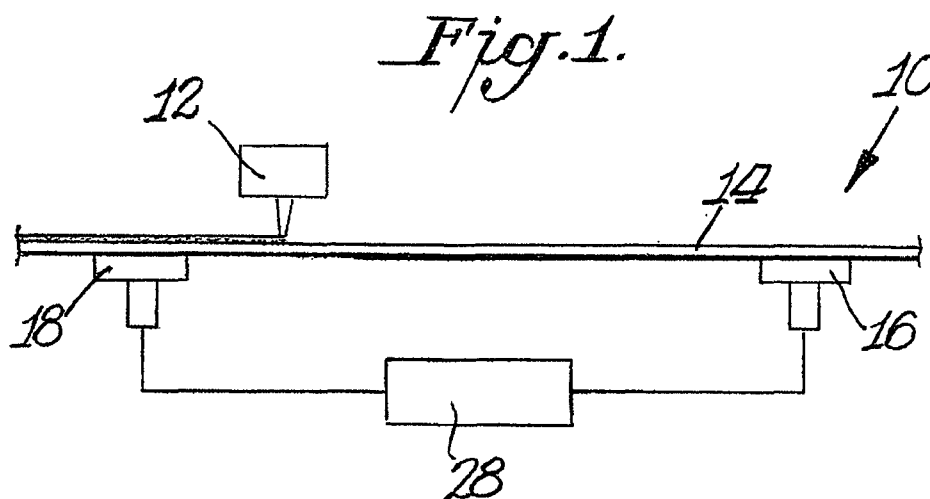
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(54) Title: GLUE APPLICATION DETECTION SYSTEM AND METHOD



(57) Abstract: A glue application method and system (10) comprises a continuous paper substrate (14) moving in a downstream direction along a path of travel. Glue (12) is applied to selected portions of the upper surface of the paper substrate (14). A first direct contact capacitive sensor (16) under the paper substrate (14) upstream of glue application and in direct contact with the under surface of the paper substrate (14) produces a signal representative of the dielectric constant of the paper substrate (14). A second direct contact capacitive sensor (18) under the paper substrate (14) downstream of glue application and in direct contact with the under surface of the paper substrate (14) with glue (12) thereon produces a second signal representative of the dielectric constant of the paper substrate (14) with glue (12) thereon. A control (28) determines differences between the first and second signals thereby indicating that glue has been applied to the paper substrate.



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INTERNATIONAL SEARCH REPORT

International application No

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A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to Doi national classification and/or

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
A24C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	WO 90/11518 A (BAT CIGARETTENFAB GMBH [DE]) 4 October 1990 (1990-10-04) the whole document	1-3
X	US 4 389 969 A (JOHNSON KEITH R) 28 June 1983 (1983-06-28) the whole document	1-3
Y	EP 0 906 729 A (REYNOLDS TOBACCO CO R [US]) 7 April 1999 (1999-04-07) the whole document	1-3
Y	EP 0 096 335 A (EHRET BERNHARD [DE]; FERRONI STEPHAN [DE]) 21 December 1983 (1983-12-21) the whole document	1-3

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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