

(12) **EUROPEAN PATENT APPLICATION**

(21) Application number: **81301278.8**

(51) Int. Cl.<sup>3</sup>: **D 02 H 13/08**  
**D 03 D 51/28**

(22) Date of filing: **25.03.81**

(30) Priority: **03.04.80 GB 8011346**

(43) Date of publication of application:  
**14.10.81 Bulletin 81/41**

(88) Date of deferred publication of search report: **17.02.82**

(84) Designated Contracting States:  
**AT BE CH DE FR GB IT LI NL SE**

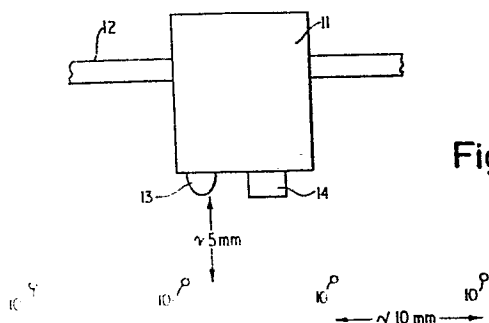
(71) Applicant: **John L. Brierley Limited**  
**Turnbridge Mills**  
**Huddersfield West Yorkshire(GB)**

(72) Inventor: **Brierley, John Bernard**  
**117 Station Road Fenay Bridge**  
**Huddersfield West Yorkshire(GB)**

(74) Representative: **Neill, Alastair William**  
**Appleyard Lees & Co. 15 Clare Road**  
**Halifax West Yorkshire HX1 2HY(GB)**

(54) **Method and apparatus for detecting yarns.**

(57) A plurality of yarns 10 are scanned by a beam of radiation from an emitter 13. The emitter 13, together with a detector 14, is mounted on a carriage 11 which moves along a track 12. The detector 14 detects the effect that each yarn has on the radiation and this can be used to detect if any of the yarns have significantly different properties from other yarns.



**Fig.1.**



European Patent  
Office

# EUROPEAN SEARCH REPORT

0037681

Application number  
EP 81 30 1278

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. 1)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
	<u>DE - C - 892 429 (FRANKE)</u>  * the whole document *  --	1,7, 12	D 02 H 13/08 D 03 D 51/28
	<u>DE - A - 2 822 080 (NORDDEUTSCHE FASERWERKE)</u>  * the whole document *  --	1,5, 12,13	
	<u>FR - A - 1 487 574 (SMITH)</u>  * the whole document *  -----	9,10, 15,16	TECHNICAL FIELDS SEARCHED (Int. Cl. 3)  D 02 H B 65 H D 03 D
			CATEGORY OF CITED DOCUMENTS
			X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons
			&: member of the same patent family corresponding document
<input checked="" type="checkbox"/> The present search report has been drawn up for all claims			
Place of search The Hague	Date of completion of the search 19-11-1981	Examiner BOULEGIER	