

Title (en)  
A SHEET BREAK DETECTOR APPARATUS.

Title (de)  
VORRICHTUNG ZUR BRUCHDETEKTION EINER BAHN.

Title (fr)  
APPAREIL DETECTEUR DE RUPTURE DE FEUILLE.

Publication  
**EP 0660898 A1 19950705 (EN)**

Application  
**EP 93924356 A 19931019**

Priority  
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Abstract (en)  
[origin: WO9412724A1] A sheet break detector apparatus (10) is disclosed for detecting a sheet break in a dryer section (12) of a paper machine. The apparatus (10) includes a vacuum transducer (14) which is sensitive to the vacuum level within a vacuum roll (16) of a dryer section (12). The transducer (14) detects only a sudden change in vacuum level within the vacuum roll (16) resulting from a sheet break rather than a relatively gradual change in vacuum level resulting from an operator augmented vacuum level change. A guide device is connected to the transducer (14) and responsive to the transducer (14) for redirecting the sheet to a broke chute (22) upstream relative to the transducer (14) when the transducer (14) detects the sudden change in vacuum level. The arrangement is such that excessive wind-up of the broken sheet (W) around a dryer (24) of the dryer section (12) is inhibited.

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**D21F 7/04**

IPC 8 full level  
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