

Title (en)  
Electromagnetic extended nip press.

Title (de)  
Elektromagnetische Presse mit verlängerter Presszone.

Title (fr)  
Presse électromagnétique à pinçage prolongé.

Publication  
**EP 0188399 A1 19860723 (EN)**

Application  
**EP 86630001 A 19860106**

Priority  
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Abstract (en)  
Extended nip presses (10) for papermaking machines and the like are provided with electromagnets (11) immediately adjacent the press nip (N) to create or augment the nip pressures or loads. The electromagnets (11) have massive, wide large areas, establishing a concentrated magnetic field between conforming opposite sides of the entire nip area eliminating gaps heretofore encountered in magnetic presses. Non-magnetic belts (13) convey wet webs (W) through the nips (N) of dewatering presses and dry web calendering presses can have the webs directly engage a calender roll conveying the web through the nip.

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**D21F 3/02**

IPC 8 full level  
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