

Title (en)
GROOVED LEAD BLADE FOR A PAPERMAKING MACHINE

Title (de)
GERILLTE LEITSCHAUFEL FÜR EINE PAPIERMASCHINE

Title (fr)
LAME DE CINTRAGE RAINUREE

Publication
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Application
EP 01973866 A 20010905

Priority
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• GB 0021767 A 20000905

Abstract (en)
[origin: WO0220899A1] A vented lead blade (5) for use in a paper making machine located so that the stock jet (9) impinges the forming fabric (3) at, or near to, its trailing edge (14). The vented lead blade serves to bend the forming fabric before it enters the forming section, and to vent at least a substantial proportion of any air (8) which becomes trapped in the wedge shaped space between the surface of the forming fabric and the surface of the stock jet, together with at least some of any liquid carried with the air. The vented lead blade of this invention thus enables the forming fabric to be positioned so that the angle of impingement of the stock jet onto the forming fabric can be minimized to become substantially zero. It also makes it possible to reduce the unsupported length of the stock jet. The vented lead blade of this invention can be used in both an open surface forming section with one forming fabric, or in the forming section of a two fabric paper making machine.

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CPC (source: EP US)
D21F 1/483 (2013.01 - EP US); **D21F 9/003** (2013.01 - EP US); **D21F 9/02** (2013.01 - EP US)

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