

Title (en)
WATER NEEDLING DEVICE

Title (de)
WASSERVERNADELUNGSVORRICHTUNG

Title (fr)
DISPOSITIF D'AIGUILLETAGE PAR JET D'EAU

Publication
EP 1797229 A1 20070620 (DE)

Application
EP 05792073 A 20050910

Priority
• EP 2005009758 W 20050910
• DE 102004049146 A 20041007

Abstract (en)
[origin: US2007261220A1] In a former known hydrodynamic needling device the material web which is meant to be consolidated or finished shall be drawn-in totally or just partly, thus automatically, by an auxiliary material-web drawing-in device. The auxiliary device can work with a frontrunner which is affixed at the beginning of the material web, and which is retracted into the whole machine, or only one part of the non-accessible, if applicable, rollers are driven round by an auxiliary device and the material web is therewith threaded in the provided material-web track.

IPC 8 full level
D04H 18/04 (2012.01)

CPC (source: EP US)
B65H 20/00 (2013.01 - EP US); **D04H 18/04** (2013.01 - EP US); **B65H 2301/522** (2013.01 - EP US)

Citation (search report)
See references of WO 2006039970A1

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DOCDB simple family (publication)
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