

Title (en)
Nozzle beam for the treatment of textile

Title (de)
Düsenstreifen zur Textilbearbeitung

Title (fr)
Duse pour le traitement de textile

Publication
EP 1908855 B1 20090401 (DE)

Application
EP 06021000 A 20061006

Priority
EP 06021000 A 20061006

Abstract (en)
[origin: EP1908855A1] A web of non-woven felt fibres is strengthened by exposure to an array of high-pressure water jets. The water jets are apertures in a strip located within a surrounding frame. The jet strip is a section of martensite hardened sheet metal of strength greater than 46 HRC and incorporating nitrogen at the outer margins. The high-alloy X20Cr13 steel is thermally hardened to above 53 HRC. In a further embodiment the steel is a combination of austenitic and martensite steel. Each jet consists first of a cylindrical section, followed by a diverging outlet.

IPC 8 full level
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CPC (source: EP US)
B05B 1/00 (2013.01 - EP); **B05B 1/20** (2013.01 - EP US); **C22C 38/18** (2013.01 - EP); **D04H 18/04** (2013.01 - EP)

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