

Title (en)
LONGITUDINAL CUTTING MACHINE WITH A COOLED CUTTING BLADE

Title (de)
LÄNGSSCHNEIDEMASCHINE MIT GEKÜHLTEM MESSERBLATT

Title (fr)
DECOUPEUSE LONGITUDINALE A LAME REFROIDIE

Publication
EP 1626845 A1 20060222 (DE)

Application
EP 04721832 A 20040319

Priority
• EP 2004002871 W 20040319
• DE 10323753 A 20030522

Abstract (en)
[origin: WO2004103655A1] The invention relates to a longitudinal cutting machine for cutting a web of material which is guided through the longitudinal cutting machine. Said longitudinal cutting machine comprises a cutting arrangement comprising at least one upper blade for the web of material which is guided through the cutting arrangement by means of the cutting points formed by the upper blade. The invention is characterised in that the blade (14) of the upper blade (12, 24) can be impinged upon by a cooling medium via at least one nozzle (19), said medium being directed towards the upper blade in such a manner that the temperature of the blade (14) does not exceed a predetermined temperature during cutting of the longitudinal cutting machine.

IPC 1-7
B26D 7/10; **B26D 7/08**

IPC 8 full level
B26D 7/10 (2006.01); **B26D 1/10** (2006.01); **B26D 1/24** (2006.01)

CPC (source: EP US)
B26D 7/10 (2013.01 - EP US); **B26D 1/10** (2013.01 - EP US); **B26D 1/245** (2013.01 - EP US); **Y10T 83/263** (2015.04 - EP US); **Y10T 83/293** (2015.04 - EP US)

Citation (search report)
See references of WO 2004103655A1

Designated contracting state (EPC)
DE FI FR GB IT

DOCDB simple family (publication)
WO 2004103655 A1 20041202; DE 10323753 A1 20050113; DE 10323753 B4 20070503; DE 502004005508 D1 20071227; EP 1626845 A1 20060222; EP 1626845 B1 20071114; US 2006230899 A1 20061019

DOCDB simple family (application)
EP 2004002871 W 20040319; DE 10323753 A 20030522; DE 502004005508 T 20040319; EP 04721832 A 20040319; US 55831905 A 20051214