

Title (en)
Web heat treatment apparatus

Title (de)
Vorrichtung zur Wärmebehandlung von Warenbahnen

Title (fr)
Dispositif pour le traitement thermique des bandes

Publication
EP 1291458 A2 20030312 (EN)

Application
EP 02002569 A 20020204

Priority
JP 2001272157 A 20010907

Abstract (en)
A rubbing effect is imparted to a long or continuous web (W) not only in its lengthwise direction but also in its widthwise direction. A heat treatment apparatus comprises: a pair of upper and lower conveyer nets (22, 24) adapted to run in a front-back-wise direction in a heat-treatment chamber (12); upper and lower nozzles (18, 20) provided above and below of these conveyer nets (22, 24); upper blow-off ports (47) of the upper nozzles (18) being disposed obliquely relative to a widthwise direction of the web (W); and lower blow-off ports (46) for hot air blasting from the lower nozzles (20) being disposed obliquely relative to the widthwise direction of the web (W) and in same time relative to the upper blow-off ports (47). <IMAGE>

IPC 1-7
D06C 7/02; F26B 13/10

IPC 8 full level
D06C 7/00 (2006.01); **D06C 7/02** (2006.01); **F26B 13/02** (2006.01); **F26B 13/10** (2006.01); **F26B 13/12** (2006.01); **F26B 13/20** (2006.01)

CPC (source: EP KR)
D06C 7/02 (2013.01 - EP); **F26B 13/103** (2013.01 - EP); **F26B 13/104** (2013.01 - KR)

Cited by
EP3367031A1; JP2006300409A; EP3388566A1; IT201700039980A1; US11131046B2

Designated contracting state (EPC)
DE IT

DOCDB simple family (publication)
EP 1291458 A2 20030312; EP 1291458 A3 20040929; CN 1407305 A 20030402; JP 2003082573 A 20030319; KR 20030022003 A 20030315; TW I255334 B 20060521

DOCDB simple family (application)
EP 02002569 A 20020204; CN 02108323 A 20020328; JP 2001272157 A 20010907; KR 20020013740 A 20020314; TW 91102115 A 20020206