

Title (en)

Device for cooling a material web

Title (de)

Vorrichtung zum Kühlen einer Materialbahn

Title (fr)

Dispositif refroidisseur pour une bande de matériau

Publication

**EP 1258352 B1 20060628 (DE)**

Application

**EP 02007335 A 20020405**

Priority

DE 10123489 A 20010515

Abstract (en)

[origin: EP1258352A1] The assembly to cool a paper web (14), at a rotary printing press where the web has passed through a hot air dryer, uses the heat from a heater (2,10) to give an evaporation cooling to a coolant (52) which is delivered to the cooling station (12) where the web passes through. Part of the coolant is evaporated, and the other part of the coolant is chilled by the extraction of vapor heat. The vapor is developed in at least one generator (26), powered by steam. An underpressure is formed for a vacuum chamber (50) where the coolant is partially evaporated and chilled.

IPC 8 full level

**B41F 23/04** (2006.01); **F25B 19/02** (2006.01); **F25D 7/00** (2006.01); **F26B 13/02** (2006.01); **F26B 13/18** (2006.01)

CPC (source: EP US)

**B41F 23/0476** (2013.01 - EP US); **B41F 23/0479** (2013.01 - EP US); **B41F 23/0483** (2013.01 - EP US); **F26B 13/183** (2013.01 - EP US)

Cited by

CN109747388A; CN104036955A; EP2163386A1; EP1555122A1; WO2010029137A1

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**EP 1258352 A1 20021120**; **EP 1258352 B1 20060628**; AT E331620 T1 20060715; CN 1385302 A 20021218; DE 10123489 A1 20021121; DE 10123489 B4 20090402; DE 50207357 D1 20060810; JP 2003028531 A 20030129; US 2003029342 A1 20030213; US 6892642 B2 20050517

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