

Title (en)

Cooling system for printing machines

Title (de)

Druckmaschinen-Temperierungssystem

Title (fr)

Système de refroidissement pour machines d'impression

Publication

EP 0602312 B1 19960424 (DE)

Application

EP 93110826 A 19921208

Priority

- DE 4202544 A 19920130
- EP 92120878 A 19921208

Abstract (en)

[origin: EP0553447A1] A cooling system for printing plates for cooling the surface (4) of a rotating cylindrical printing plate (6) of a printing machine. A cooling-air fan beam (2) extends along the printing-plate surface (4) and blows cooling air onto the printing-plate surface (4) in order to keep its temperature at a desired value. The blower-air beam (2) comprises at least one heat exchanger (52) and at least one fan (60) as well as at least one air-return duct (20, 22), said elements together forming a cooling-air circulation by means of which the air blown onto the printing-plate surface (4) is fed to the air inlet side of the heat exchanger and, mixed with fresh air if appropriate, is blown by the fan (60) back through the heat exchanger (52) onto the printing-plate surface (4). The blower-air beam (2) constitutes an energy-saving, compact constructional unit for cooling the printing-plate surface (4). <IMAGE>

IPC 1-7

B41F 13/22

IPC 8 full level

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CPC (source: EP US)

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Cited by

DE102008009996A1; EP0713767A1; EP0699525A3; EP0697285A3; CN109159537A; DE10302877A1; DE4429520B4; EP1092534A1; DE102012014236B3; DE19942118A1; EP1080886A3; US5657637A; DE4442072B4; DE10206488B4; DE102004063790A1; EP1679186A3; DE10213959A1; EP0693375A3; EP0722832A3; EP1710079A1; DE10355909A1; CN112046143A; EP2018964A1; EP0697285A2; EP0699525A2; EP1535737A1; EP0711661A2; DE202008018546U1; EP1679186A2; EP1336482A1; EP0697285B2

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