

Title (en)

Apparatus for blowing off a liquid from an article.

Title (de)

Vorrichtung zum Abblasen einer Flüssigkeit von einem Gegenstand.

Title (fr)

Dispositif pour l'enlèvement par soufflage d'un liquide se trouvant sur un objet.

Publication

EP 0486711 B1 19940803 (DE)

Application

EP 90122063 A 19901119

Priority

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Abstract (en)

[origin: EP0486711A1] For blowing off the liquid, a large number of impacts, pulsating at high frequency and taking place abruptly, of compressed-air jets are directed towards the article. At the same time, a relative movement between the compressed-air jets and the article is created, so that its entire surface is passed over by the compressed-air jets. The compressed-air jets, which strike in a pulsating manner, remove the liquid. As individual quantities or drops of the liquid to be blown off, which return to the original place by wetting forces or gravity after the impact of a respective compressed-air jet, are removed by the impact immediately following, made more fine and blown away. By means of these impacts of compressed-air jets pulsating at high frequency, the respective article is dried in a short time and with small energy expenditure. The process is also suitable for blowing treatment substances off articles, so that these can be recovered and recycled to a previous treatment stage of the articles. <IMAGE>

IPC 1-7

F26B 5/14; **F26B 21/00**

IPC 8 full level

F26B 5/14 (2006.01); **F26B 21/00** (2006.01)

CPC (source: EP)

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Cited by

EP1178273A1; DE4433037A1; DE4421010B4; DE102013020096A1; DE102013020096B4; EP0650022A1; DE4336085A1; GB2327091A; FR2765893A1; US5879532A; GB2327091B; US7045039B2; EP0890659A3; WO9808040A1

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