

Title (en)

Process and device for improving fibre mat formation conditions.

Title (de)

Verfahren und Vorrichtung zur Verbesserung der Bildungsverhältnisse bei Fasermatrazen.

Title (fr)

Procédé et dispositif pour l'amélioration des conditions de formation des matelas de fibres.

Publication

EP 0072301 A1 19830216 (FR)

Application

EP 82401429 A 19820730

Priority

FR 8115283 A 19810806

Abstract (en)

[origin: ES8305072A1] Fiber mats formed by attenuating molten streams of attenuable mineral material by subjecting the streams to the action of a hot attenuating gas blast. The gas blast induces gas from the surrounding atmosphere, and the combined blast and induced gas forming a fiber-carrying current. The current is directed toward a perforated fiber-collecting conveyor on which the fibers are deposited in the form of a mat and the gas of the current passes through the conveyor. Provision is made for withdrawing a peripheral portion of the fiber-carrying current at a point intermediate the zone of attenuation and the perforated fiber-collecting conveyor.

Abstract (fr)

L'invention est relative à la formation de matelas de fibres lesquelles sont transportées par un courant gazeux (G) jusqu'à un organe de réception (14). Selon l'invention une partie (A) du courant gazeux est prélevée par aspiration sur son trajet. Le prélèvement est effectué à la périphérie du courant gazeux. L'invention est applicable notamment aux techniques de formation des matelas de fibres minérales.

IPC 1-7

D04H 1/00; D04H 1/72

IPC 8 full level

D01G 25/00 (2006.01); **D04H 1/00** (2006.01); **D04H 1/4218** (2012.01); **D04H 1/4226** (2012.01); **D04H 1/72** (2012.01); **D04H 1/732** (2012.01); **D04H 1/736** (2012.01)

CPC (source: EP KR US)

D04H 1/00 (2013.01 - EP KR US); **D04H 1/4218** (2013.01 - EP US); **D04H 1/4226** (2013.01 - EP US); **D04H 1/72** (2013.01 - EP US); **D04H 1/732** (2013.01 - EP US); **D04H 1/736** (2013.01 - EP US)

Citation (search report)

- [A] FR 2413204 A1 19790727 - PROIZV OB [SU]
- [A] DE 1635596 A1 19710325 - DU PONT

Cited by

US4744810A; GB2139258A; FR2559793A1

Designated contracting state (EPC)

AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0072301 A1 19830216; EP 0072301 B1 19850724; AR 228406 A1 19830228; AT E14460 T1 19850815; AU 8653182 A 19830210; BR 8204604 A 19830726; CA 1192013 A 19850820; DE 3264903 D1 19850829; DK 339082 A 19830207; ES 514745 A0 19830416; ES 8305072 A1 19830416; FI 822724 A0 19820805; FI 822724 L 19830207; FR 2511051 A1 19830211; FR 2511051 B1 19840323; GR 77263 B 19840911; IE 53073 B1 19880525; IE 821890 L 19830206; IN 156642 B 19850928; JP S5876563 A 19830509; KR 840001285 A 19840430; KR 880000382 B1 19880320; MX 156459 A 19880824; NO 822684 L 19830207; NZ 201270 A 19860124; PT 75378 A 19820901; PT 75378 B 19850103; TR 21349 A 19840301; US 4744810 A 19880517; ZA 825369 B 19830525

DOCDB simple family (application)

EP 82401429 A 19820730; AR 29019382 A 19820803; AT 82401429 T 19820730; AU 8653182 A 19820728; BR 8204604 A 19820805; CA 408928 A 19820806; DE 3264903 T 19820730; DK 339082 A 19820729; ES 514745 A 19820805; FI 822724 A 19820805; FR 8115283 A 19810806; GR 820168965 A 19820805; IE 189082 A 19820805; IN 942CA1982 A 19820810; JP 13642282 A 19820806; KR 820003519 A 19820805; MX 19391082 A 19820803; NO 822684 A 19820805; NZ 20127082 A 19820714; PT 7537882 A 19820804; TR 2134982 A 19820804; US 84647586 A 19860331; ZA 825369 A 19820727