

Title (en)
Crosslinkable creping adhesives

Title (de)
Vernetzbare Kreppklebmittel

Title (fr)
Adhésifs de crépage réticulables

Publication
EP 0479554 B1 19960131 (EN)

Application
EP 91308982 A 19911001

Priority
US 59181290 A 19901002

Abstract (en)
[origin: EP0479554A2] A method of creping a fibrous web is described which comprises providing to the interface of a fibrous web and a support surface, preferably a drying surface such as provided by a Yankee dryer, a creping adhesive comprising a non-self-crosslinkable material such as a polymer or oligomer having functional groups which are crosslinkable by ionic crosslinking, and a crosslinking agent which preferably comprises metal cations having a valency of at least three, and removing the fibrous web from the support surface by creping. Also provided is a creping adhesive comprising a polymer, oligomer or mixture thereof having functional groups crosslinkable by cations, a component providing metal cations having a valency of at least three, and an aqueous solvent or diluent for the polymer or oligomer. The glass transition temperature and adhesive strength of the adhesive employed in the invention is readily controllable and the adhesive is easily removed from dryer surfaces.

IPC 1-7
B31F 1/12; **D21H 17/71**

IPC 8 full level
D21H 17/20 (2006.01); **D21H 21/14** (2006.01)

CPC (source: EP)
D21H 17/20 (2013.01); **D21H 21/146** (2013.01)

Cited by
EP0743172B1; EP1353010B2

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0479554 A2 19920408; **EP 0479554 A3 19930505**; **EP 0479554 B1 19960131**; AT E133611 T1 19960215; DE 69116786 D1 19960314; DE 69116786 T2 19960530; ES 2082938 T3 19960401

DOCDB simple family (application)
EP 91308982 A 19911001; AT 91308982 T 19911001; DE 69116786 T 19911001; ES 91308982 T 19911001