

Title (en)
CLEANING GASES FROM THE DEGASSING OF POLYMER MELTS

Title (de)
REINIGUNG VON GASEN AUS DEM ENTGASEN VON POLYMERSCHMELZEN

Title (fr)
ÉPURATION DE GAZ ISSUS DU DÉGAZAGE DE POLYMÈRES FONDUS

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Application
EP 21737580 A 20210622

Priority
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Abstract (en)
[origin: CA3183272A1] The invention relates to a method and a device 1 for the purification of gases from the degassing of polymer melts - in particular, for the continuous further processing to form stretched polymer films. In this case, the gas to be purified is fed from a vacuum zone 2 of a plasticizing unit, via at least one vacuum or degassing line 3, to a vacuum separator 40 with a gas inlet 42 and a gas outlet 43 in which condensable, separable by freezing, and/or re-sublimable substances are separated from the supplied and purified gas by means of a cooling arrangement 50, and the separated substances are removed from the vacuum separator 40. By means of a heating arrangement 60, the substances separated by means of the cooling arrangement 50 are at least partially liquefied or softened in the vacuum separator 40 and removed from the vacuum separator 40 in particular by suction. This makes it possible to create a particularly efficient method and a particularly effective device 1 for the purification of gases from the degassing of polymer melts.

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