

Title (en)  
DEVICE FOR DEVELOPING MICROFILM

Publication  
**EP 0091509 B1 19890315 (DE)**

Application  
**EP 82109754 A 19821022**

Priority  
DE 3213416 A 19820410

Abstract (en)  
[origin: US4466722A] An apparatus for the development of microfilm passes film successively through different work stations, such as the developer bath, fixing bath, preliminary washing bath, second washing bath and a drying stage. The film moves in a horizontally arranged track with the aid of a motor driven pair of rolls. The apparatus is characterized by a liquid circulation system in which each vessel supplying a liquid station with a liquid and designed as a transport container is equipped with a supply line and a suction line. The suction line moves the liquid to a bath by means of a liquid pump and by way of pressure lines through a heating means. A bath may be associated with each work station. In the bath the liquid is sprayed against the bottom side of the film travelling in the horizontal direction and is returned through a liquid and film guiding body and the supply line into the vessel.

IPC 1-7  
**G03D 5/04**

IPC 8 full level  
**G03D 3/02** (2006.01); **G03D 5/04** (2006.01)

CPC (source: EP US)  
**G03D 5/04** (2013.01 - EP US)

Designated contracting state (EPC)  
AT DE FR GB IT NL SE

DOCDB simple family (publication)  
**EP 0091509 A2 19831019; EP 0091509 A3 19851127; EP 0091509 B1 19890315**; AT E41534 T1 19890415; CA 1189375 A 19850625; DE 3213416 A1 19831020; DE 3213416 C2 19840322; DE 3279545 D1 19890420; JP S58182635 A 19831025; US 4466722 A 19840821

DOCDB simple family (application)  
**EP 82109754 A 19821022**; AT 82109754 T 19821022; CA 413577 A 19821015; DE 3213416 A 19820410; DE 3279545 T 19821022; JP 16873082 A 19820929; US 42530782 A 19820928