

Title (en)  
METHOD FOR FORMULATING A REACTIVE POLYURETHANE EMULSION

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINER REAKTIVEN POLYURETHAN-EMULSION

Title (fr)  
PROCÉDÉ DE PRÉPARATION D'UNE ÉMULSION RÉACTIVE DE POLYURÉTHANE

Publication  
**EP 2411434 A1 20120201 (DE)**

Application  
**EP 10719243 A 20100325**

Priority  
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Abstract (en)  
[origin: WO2010108676A1] A method for formulating reactive polyurethane emulsions and/or soft polyurethanes is to be provided, which are well dispersible in water and are in particular suitable for an economic and preferably economically friendly impregnation and/or coating of a diverse selection of textile fabrics. Further, fabrics are to be produced afterwards, in particular for a good wearing and handling comfort, which are especially soft, and which have a leather-like surface feel, and further preferred is also the production of light-fast fabrics, in particular for the clothing industry, cushion surfaces, linings and/or textiles used in medicine, technology or in the military. Furthermore, the method is also supposed to be suitable for an evenly distributed, especially wash-resistant and permanently flame-retarding, antimicrobial, dirt-repellent or hydrophilic equipment. For this purpose, OH-terminated prepolymers with medium viscosity are produced by reacting polyols with diisocyanates in a deficient amount or by reacting polyols in combination with di- and/or triols and with diisocyanates in a deficient amount. An external emulsifier is added to the OH-terminated prepolymers and, for a later cross-linking of the OH-terminated prepolymers, a di-, tri- and/or polyisocyanate is added, and if necessary, corresponding flame-retarding, antimicrobial, dirt repellent or hydrophilic substances are added previously and reacted.

IPC 8 full level  
**C08G 18/08** (2006.01); **C08G 18/10** (2006.01); **C08G 18/12** (2006.01); **C08G 18/28** (2006.01); **C08G 18/38** (2006.01); **C08G 18/40** (2006.01); **C08G 18/42** (2006.01); **C08G 18/44** (2006.01); **C08G 18/48** (2006.01); **C08G 18/50** (2006.01); **C08G 18/61** (2006.01); **C08G 18/66** (2006.01); **C08G 18/75** (2006.01); **C08G 18/79** (2006.01); **C09D 175/04** (2006.01); **D06M 15/564** (2006.01); **D06M 15/568** (2006.01); **D06M 15/576** (2006.01); **D06M 15/579** (2006.01); **D06N 3/14** (2006.01)

CPC (source: EP KR US)  
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