

Title (en)
PROCESS FOR PRODUCING NYLON-6,6

Title (de)
VERFAHREN ZUR HERSTELLUNG VON POLYAMID 66

Title (fr)
PROCÉDÉ DE PRÉPARATION DE POLYAMIDE 66

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EP 3080190 A1 20161019 (DE)

Application
EP 14811899 A 20141212

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• EP 14811899 A 20141212

Abstract (en)
[origin: WO2015086821A1] The present invention relates to a process for producing nylon-6,6 by a) providing a muconic acid starting material selected from muconic acid, esters of muconic acid, lactones of muconic acid and mixtures thereof, b) subjecting the muconic acid starting material provided in step a) at least to some extent to a reaction with hydrogen in the presence of at least one hydrogenation catalyst Hb) to give adipic acid, c1) subjecting the muconic acid starting material provided in step a) to some extent to a reaction with hydrogen in the presence of at least one hydrogenation catalyst Hc1) to give 1,6-hexanediol, or c2) subjecting the adipic acid obtained in step b) to some extent to a reaction with hydrogen in the presence of at least one hydrogenation catalyst Hc2) to give 1,6-hexanediol, d) subjecting the 1,6-hexanediol obtained in step c1) or c2) to amination in the presence of an amination catalyst to obtain hexamethylenediamine, e) subjecting the hexamethylenediamine obtained in step d) and at least a portion of the adipic acid obtained in step b) to polycondensation to obtain nylon-6,6.

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C08G 69/26 (2006.01); **C08G 69/28** (2006.01)

CPC (source: EP US)
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