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[Continued on next page]

(54) **Title**: METHOD FOR REDUCING VISCOSITY IN SACCHARIFICATION PROCESS

(57) **Abstract**: The present invention relates to compositions that can be used in hydrolyzing biomass such as compositions comprising a polypeptide having glycosyl hydrolase family 61/ endoglucanase activity, methods for hydrolyzing biomass material, and methods for reducing viscosity of biomass mixture using a composition comprising a polypeptide having glycosyl hydrolase family 61/endoglucanase activity.

GH61 Endoglucanase homologs and sequences:

GenBank Accession No. CAB97283.2 [*Neurospora crassa*] (SEQ ID NO:1)
mrfdllalsafaplvaahqavtsylidgtypqveqfspasspklqfqapnydpntvsdakmrcnq
gtseqlsatvqagsnvtavskqpthegppvqwlfscpgafgssckgdgkwfkidemgmwgcklnsa
nwgtaliwknhgwsssipkmmapgnyliehallalhcantpqfyaecaqlvvqgsgnavppsdylysi
ptyapqpdcgvlllrclkidlysaalttytppgpvwaglfl

GenBank Accession No. CAD21296.1 [*Neurospora crassa*] (SEQ ID NO:2)
mkvlaplvlaaaaaahtlfaalevngvnqcglqsgvvvpqnyqpiedvtsasladcqsqnvvastakvi
tvqagtnvtalwrymlalcqgdspadqmdaskkqptiayvkkvdraatagqvgngwfkiqqdgmdsagv
wgtcrvingkgrhaiipactapcgyilraemlaihaaanypgaqfymecaqinvvggcgaktpatvs
fpqayagsdpgvkiaiywppvtsvypqapsvfnc

GenBank Accession No. CAD70347.1 [*Neurospora crassa*] (SEQ ID NO:3)
mlpslslllaaalqlsahytlpkvwaeqttacwqyvrradnwqngfvdvnsqqlrclqathapeq
atlsvaagttlrvygaagsvvhpgpnqfylacvpdgqdlnawtgegavwfkiyhegptfgsqltwaang
hsnfgvhipscvtcgcylrachiglhvaqsaqaagfyiacaqlsitggcstlpganyivafpgayka
sdpgllinirygvplsyknqgsvltc

GenBank Accession No. CAE81966.1 [*Neurospora crassa*] (SEQ ID NO:4)
mksallvvltaglavrdaihaitgqlwvdgvsyystcnrlptsnspvtnvgsrdvvcnagtrgvagk
cpvkaggtvtvsnsqqsgssksscsaiggahwgpvqiylvskvgdastadgssggwfkifsdawskbg
qrvgddnwgtrdlnaccgrmdvllpkdlpsgeyliraealalhtaqnsqnaflylscyqitvsgnqs
anyatvkfpgayrasdpgilinihavvsnyvapgpavvaggvtkpagsgcigcestckvgsapsavap
ggkpasggsdgnapevaepsggegspsapcacsvaaygcggdqysgctqcasgytckvasppyysqc
apls

GenBank Accession No. CAF05857.1 [*Neurospora crassa*] (SEQ ID NO:5)
mkfssalaflaasgaqahytfpkgystgavsgeyehirntenhyrgpvadvtsesmtcyelnpykga
pktlsvaagsnytfvvgcnighpgplnfymakvpegkaatfdgkgavwfkiydgsrglgtgqlwp
saqalevsvklnsclesneyllfvehilplhsaqsvcqaqlylacaqlnvtcqvqlnlnsqklvsfpqa
ykatdpgllfnlyypapteytnpgpavatcdgsaspaapapapssaspsapaasapsatvpevsatas
aavgkasstpkqgckvaarkn

GenBank Accession No. EAA26873.1 [*Neurospora crassa*] (SEQ ID NO:6)
mrstlvtgliagllaqqaaaatfqalwvdgaqygsqcaavppsnapvtdvtsnamxcngtapvakk
cpvkagstvtvsnsqshppvptltykqqardcsossoaiggshygpvlvymskvsdaasadgsswfk
ifsdtwkkpsssgqddlfwgvkdlnsccgkmqvkipsqipagdyllraevialhtaasaggaq_ymt
cyqisvtqccaapatvsfpqayksadpqilvdirsamstyvapgpavysccgsskkaqsqcvqcnsatc
kvgspptqtasavpvsccsasggggggsggcsvakycqcggtgytgctccasctctcsavsppyysq
cv

GenBank Accession No. EAA29132.1 [*Neurospora crassa*] (SEQ ID NO:7)
mvtarrllaccamfsqalchstllyiilngnyvqfnpnspdalnsiqas_acvdqqivtpsrysnp
diichrdckpakahapvkaqdkiqlqwnqwpcahkqpvlsylapcanttdgncavdrklkwtkidds
spvvdckqqppgrwacdvliaqnatwllgfpdlcpgpyvlchelialhyanlkngaqnypqcvnlw
veqcgpkalvvgkeevvvaggkegvpata_ysatdcgvaidiytpvistyvipgpt_apeakpvyvte
qcllkstitavqtpvivrratatvcnpncgtaaafkq

FIG. 1A

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